Jackpile Reclamation Project
PUEBLO OF LAGUNA
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Office of
Reclamation Project Manager

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PROJECT STATUS REPORT

NO. 18

JANUARY, 1991

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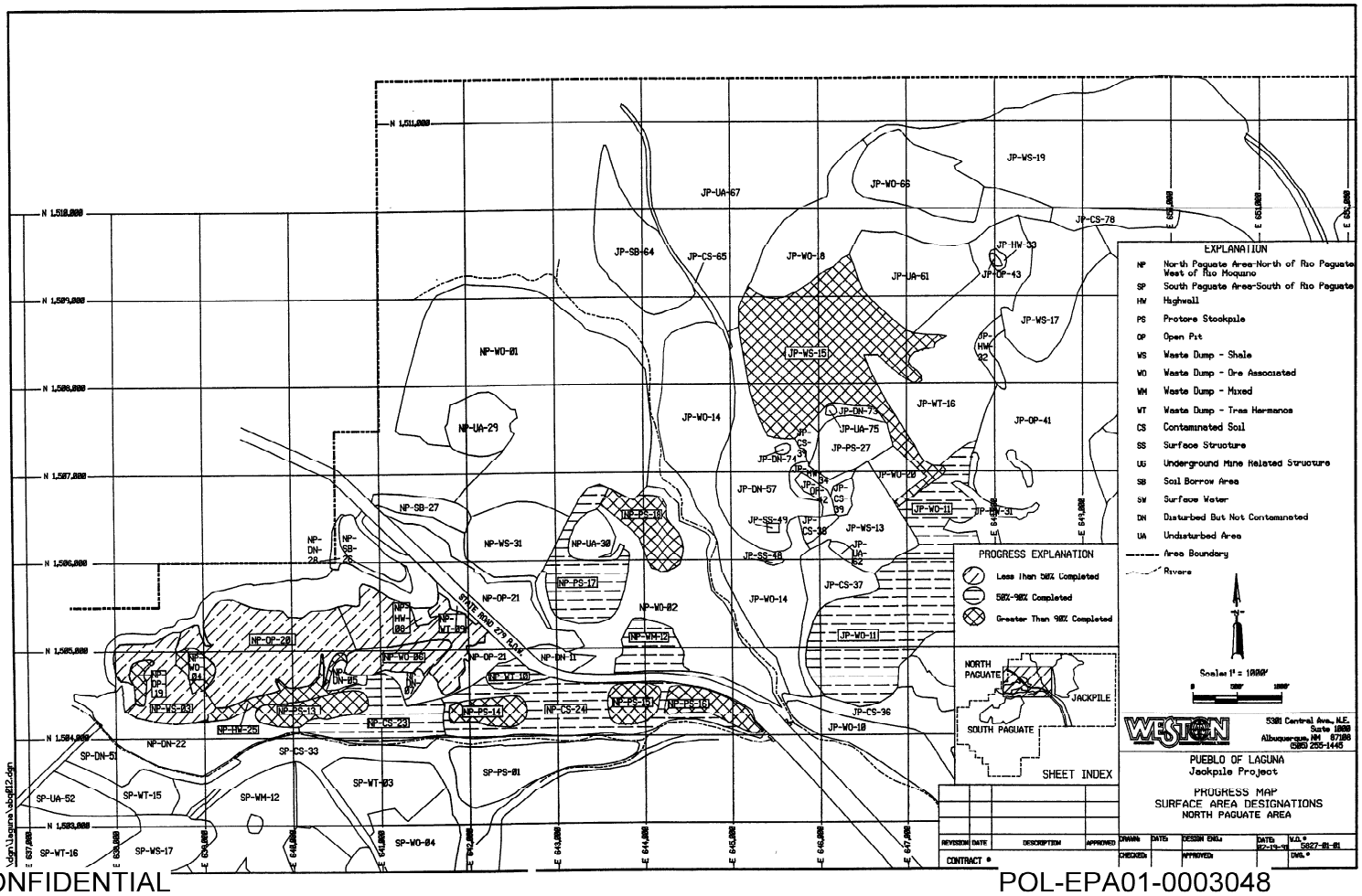
NOTE: NIC Denotes Not Included in This Report

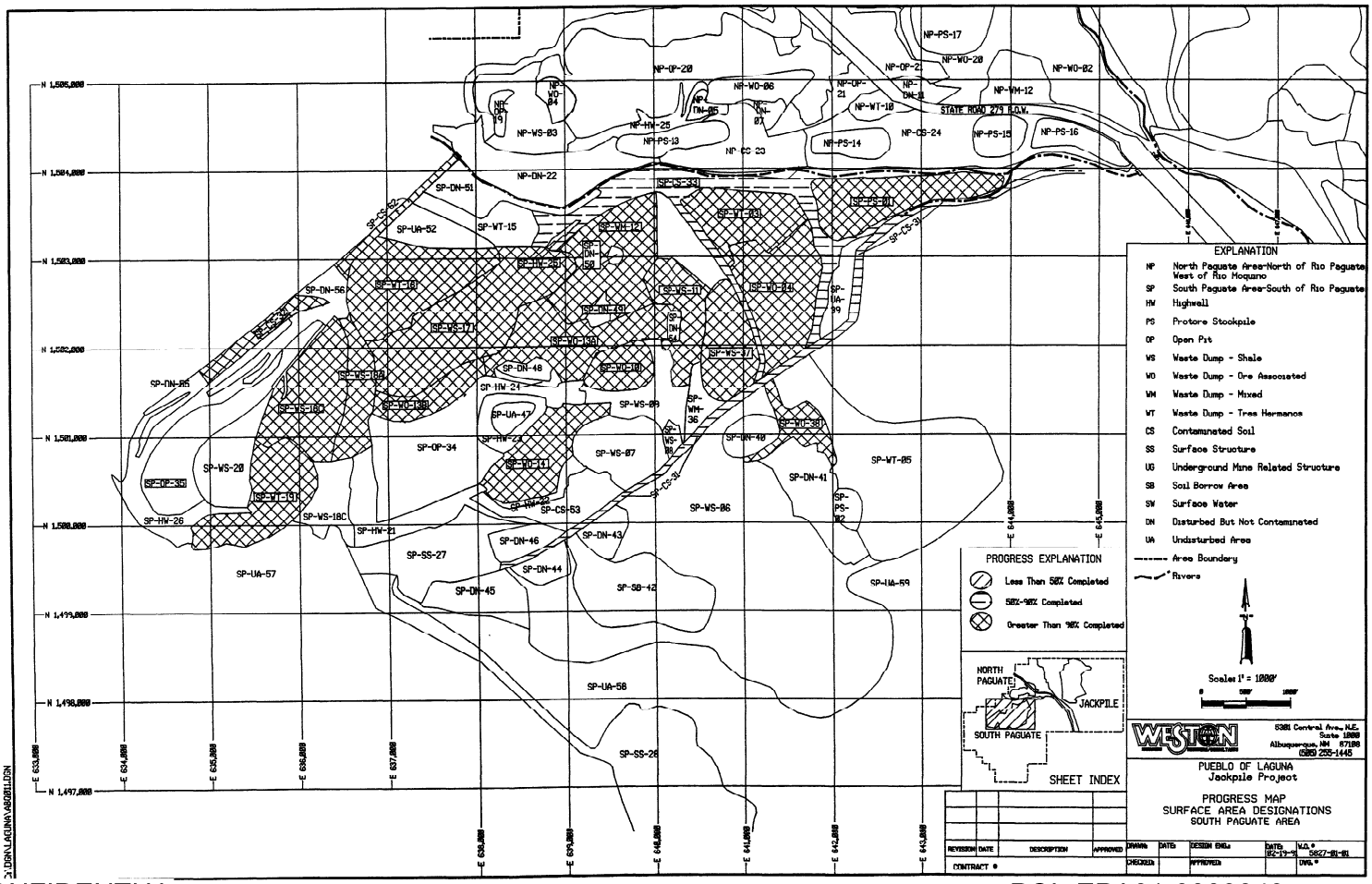
2.1 ABSTRACT

January, 1991 marked the thirteenth month of full-scale earthmoving activities and was the second month of the 2nd Operating Year of the Project. Snow and cold weather caused some operational delays, especially for the rubber-tired equipment but did not have prohibitive schedule impacts. Sloping progressed well on the Jackpile side of the Project with completion of JP-WS-15 and completion of the top cut on JP-WO-11, where the 3:1 sloping cuts are now underway. Trucks continued hauling NP-PS-17 across the highway. This protore pile has taken longer than projected due to the weather and larger-than-estimated volume of material. Scrapers finished the cleanup along the north side of the Rio Paguate and also smoothed the cuts to enhance future drainage around the area. Clearing of the NP-PS-18 haul road crossing of SR-279 was also begun. Rehabilitation work on the old Warehouse for use by Laguna Industries, Inc. was being performed by the LCC under separate contract. Marvin Sarracino and Victor Sarracino began work on 1/14/91 as the new Reclamation Technicians.

2.2 PROGRESS MAP

The attached progress maps indicate the percentages of completion for areas where work is being performed.





2.3. Construction Photos

Figure 1. A. Sboik, R. Johnson, L. Dailey, and Y. Leeds at Chaco Canyon, NM meeting with K. King - USGS.

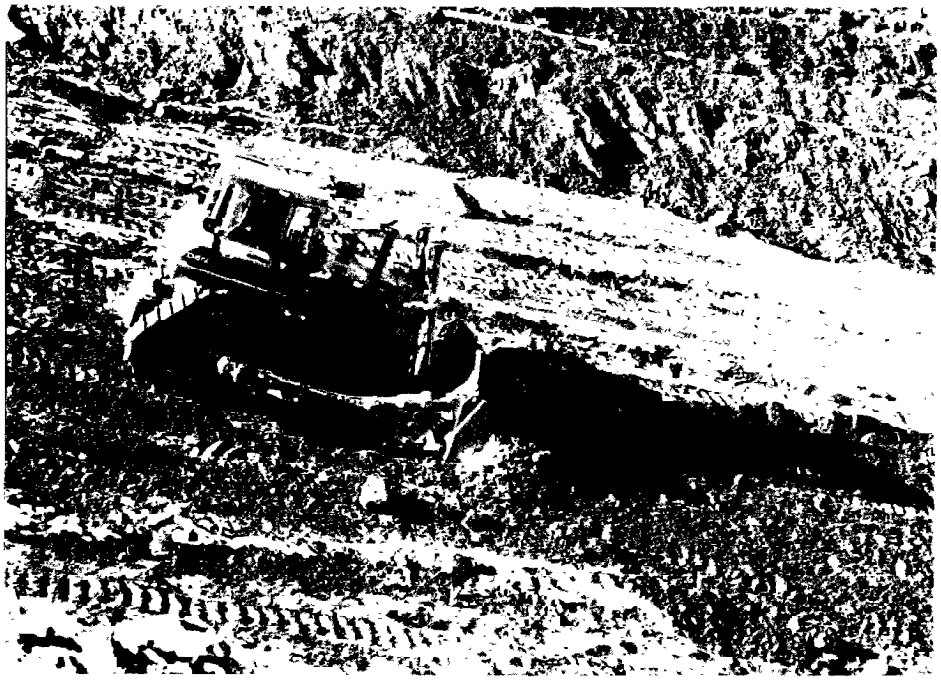


Figure 2. D-8 dozer pushing boulders down north face of Jackpile JP-W0-11.

2.3. Construction Photos

Figure 3. New reclamation technicians Victor Sarracino and Marvin Sarracino.

Figure 4. Scraper/road patrol cleaning NP-PS-13 (looking northwest).

2.3. Construction Photos

Figure 5. Dozers sloping on JP-W0-11 (looking west).

Figure 6. Finished 3:1 slope on JP-WS-15 (looking northwest).

2.4 MILESTONES

- Marvin Sarracino and Victor Sarracino were selected as the new Reclamation Technicians and began orientation and training on 1/14/91;

- The 4th Quarter, Project Year 1990 Financial Report was given to BIA and distributed to other affected parties;

- "DRAFT" designs from Roy F. Weston on the Special Cases are under review with comments being provided by the RPM and Laguna Construction Company;

- LCC, Incorporated began the rehabilitation work on the Warehouse building for use by Laguna Industries;

- Cleanup along the north side of the Rio Paguate was done with the scrapers and the gamma radiation surveys were completed by Eberline, Inc.

- Sloping on JP-WS-15 was completed;

- The NP-PS-18 haul road crossing SR-279 was removed;

- Scrapers returned to SP-OP-34 to continue the backfill work;

3.0 ACTION ITEMS

3.1 POL/RPM

1) Compile comments and design change requests to Weston for Rio Moquino & other Special Case designs;

2) Continue administrative training of Reclamation Technicians;

3) Prepare & submit Fourth Environmental Monitoring and Regulatory Compliance report to BIA;

3.2 BUREAU OF INDIAN AFFAIRS

1) Submit Ken King Blast Study/Report to POL-Council;

2) Complete files on "official" Project Approvals;

3) Review/comment on "Special Case" designs;

3.3 LANDMARK/WESTON

1) Continue field training of Reclamation Technicians;

2) Revise "Special Cases" as requested by POL/RPM;

3) Transfer subcontracts to POL;

3.4 LAGUNA CONSTRUCTION COMPANY

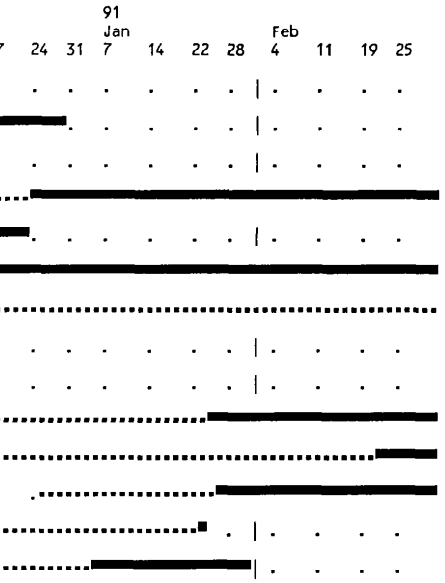
1) Revise & update schedule (as needed);

2) Submit financial closeouts for savings sharing calculations;

4.1 FOUR WEEK LOOK AHEAD

Schedule Name : JACKPILE
Responsible : LCC
As-of Date : 31-Jan-91 Schedule File : G:\HOME\FKIP\TIMELINE\DATA\JACKPILE

WBS	Task Name	Duratn (Days)	Start Date	End Date	Total $ (EAC)	Pct Achvd
2E2S03	SP-WO-13B, WS-18A	199	16-Feb-90	30-Nov-90	1,013,795.00	92
	FILL NP-OP-20	270	1-Dec-89	28-Dec-90	0.00	95
	FILL SP-OP-34	125	1-Jun-90	29-Nov-90	0.00	89
2M1X01	HIGHWAY CLOSURE	270	1-May-90	28-May-91	45,000.00	60
2E1N10	NP-WT-10	163	1-May-90	21-Dec-90	102,067.00	80
2E1S02	SP-PS-02	149	10-Dec-90	12-Jul-91	90,504.00	0
2E1N02	NP-PS-17	259	21-May-90	31-May-91	1,838,682.00	90
2E2N05	NP-WO-06	6	21-May-90	29-May-90	23,741.00	2
2E4S01	SP-CS-33	105	2-Jul-90	30-Nov-90	162,633.00	70
2E2J14	JP-WO-11	120	1-Oct-90	26-Mar-91	721,679.00	64
2S2J01	DEWATER JP	240	9-Oct-90	20-Sep-91	181,404.00	38
2S5J09	FENCING	48	26-Dec-90	6-Mar-91	151,565.00	40
2E2J15	JP-WS-15	35	3-Dec-90	23-Jan-91	157,141.00	95
	RIO PAGUATE CLEANU	30	17-Dec-90	30-Jan-91	0.00	40



Detail Task ≡≡≡≡≡ Summary Task ▲ Milestone
(Started) ≡≡≡≡≡ (Started) ▸▸▸ Conflict
(Slack) ≡≡≡ (Slack) Resource delay
Scale: 1 day per character

TIME LINE Gantt Chart Report, Strip 1, Page 1

4.2 PROJECT SCHEDULE

The truck fleet will continue hauling NP-PS-17 across the highway and should be done by mid-February. Removal of the last highway crossing would follow. The scraper fleet will be involved in constructing a new crossing of the Rio Paguate to shorten the soil haul into the North Paguate Pit and also backfilling of the South Paguate OP-34. The first of the shale cover & soil cover activities will begin. The Surface Crew is working on the old Warehouse rehabilitation and will return to the fencing work upon completion. Dewatering will continue if & when water trucks are needed for dust control.

5.1 TRACKING SUMMARY

The summary section has been revised and expanded as follows:

1. The PY Tracking Summary is now called Project To Date Tracking. It includes the progress of authorized Work Packages for the following periods:

   Interim
   Mobilization
   PY 90
   PY 91

   Work Packages with a "A" after them, represent a succeeding authorization for the same Work Package. These usually pertain to non-construction Work Packages. Example: LCC Insurance.

   It is important to note that Estimated Variance at Completion will change upon final closeout and distribution.

2. Two one page summaries have been added to the summary section. The first is Project to Date: Summary 1. This summarizes Project To Date (PTD) Actual Costs then compares Total Actual Costs to the current overall Project Plan.

3. The next summary is Project to Date: Summary 2. This is a **current** project year recap of YTD Cash Flow.

JACKPILE
PROJECT TO DATE: SUMMARY 1

PY90
PY91
INTERIM
MOBILIZATION

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	ACTUAL COST PY90	ACTUAL COST PY91	TOTAL PTD ACTUAL COST PY90 & PY91	TOTAL COST ESTIMATE
MGMT CA SUMMARY					
1P1	POL MANAGEMENT CA TOTAL	$85,607.08	$13,080.60	$98,687.68	$904,998.00
1P2	POL OTHER PROGRAMS CA TOTAL				$1,006,614.00
1P	POL MANAGEMENT TASK TOTAL	$85,607.08	$13,080.60	$98,687.68	$1,911,612.00
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$444,897.02	$98,435.11	$543,332.13	$1,205,821.10
1C2	INTERIM CMC CA TOTAL	$205,116.43		$205,116.43	$200,018.90
1C3	CO-OP AGREEMENT CONTINGECY CA TOTAL				$2,500,000.00
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$650,013.45	$98,435.11	$748,448.56	$3,905,840.00
1	MANAGEMENT TOTAL	$735,620.53	$111,515.71	$847,136.24	$5,817,452.00
CONST CA SUMRY					
2L1	LCC COSTS CA TOTAL	$820,363.40		$820,363.40	$810,300.00
2L2	LCC START-UP COSTS CA TOTAL	$382,790.20	$90,589.00	$473,379.20	$886,100.00
2L	LCC ADMINISTRATION TASK TOTAL	$1,203,153.60	$90,589.00	$1,293,742.60	$1,696,400.00
2M1	MOBILIZATION CA TOTAL	$424,530.29		$424,530.29	$461,363.00
2M2	LAND SURVEY CA TOTAL	$136,914.72	$14,515.08	$151,429.80	$551,873.00
2M3	LCC TRAINING CA TOTAL	$135,461.50	$2,723.72	$138,185.22	$486,228.00
2M	MOBILIZATION TASK TOTAL	$696,906.51	$17,238.80	$714,145.31	$1,499,464.00
2E1	BACKFILLING CA TOTAL	$3,104,774.98	$357,173.89	$3,461,948.87	$13,718,836.00
2E2	DUMP SLOPING CA TOTAL	$1,436,032.32	$217,737.04	$1,653,769.36	$7,564,988.00
2E3	COVER PLACEMENT CA TOTAL	$194.07	$6,333.40	$6,527.47	$11,745,735.00
2E4	CONTAMINATED SOIL CA TOTAL	$116,591.52	$1,350.97	$117,942.49	$323,637.00
2E5	HIGHWALL CA TOTAL	$58,321.27		$58,321.27	$396,732.00
2E6	EROSION CONTROL CA TOTAL				
2E	EARTHWORK TASK TOTAL	$4,715,914.16	$582,595.30	$5,298,509.46	$33,749,928.00
2S1	UG ENTRIES ABANDON CA TOTAL	$12,300.80		$12,300.80	$128,147.00
2S2	PIT WATER CA TOTAL	$388,455.50	$4,782.32	$393,237.82	$416,990.00
2S3	SS DEMOLITION CA TOTAL	$137,009.53		$137,009.53	$175,829.00
2S4	SS DECON CA TOTAL				
2S5	PERMANENT STRUCTURES CA TOTAL	$72,316.96	$20,068.09	$92,385.05	$278,783.00
2S	STRUCTURES TASK TOTAL	$610,082.79	$24,850.41	$634,933.20	$999,749.00
2R1	SEEDING CA SUBTOTAL	$31,304.00		$31,304.00	$1,738,609.00
2R2	IRRIGATION CA SUBTOTAL				
2R	REVEGETATION TASK TOTAL	$31,304.00		$31,304.00	$1,738,609.00
2	CONSTRUCTION TOTAL	$7,257,361.06	$715,273.51	$7,972,634.57	$45,303,305.00
	JACKPILE PROJECT SUMMARY				
1	MANAGEMENT TOTAL	$735,620.53	$111,515.71	$847,136.24	$5,817,452.00
2	CONSTRUCTION TOTAL	$7,257,361.06	$715,273.51	$7,972,634.57	$45,303,305.00
	GRAND TOTAL	$7,992,981.59	$826,789.22	$8,819,770.81	$51,120,757.00

JACKPILE
PROJECT TO DATE: SUMMARY 2

PY90 (ACTUALS INCLUDED IN PY91)
PY91
INTERIM
MOBILIZATION

WBS ID NO.	WORK PACKAGE DESCRIPTION	YTD ACTUAL COST	YTD ACTUAL EQUIP CREDIT	YTD ACTUAL CASH FLOW
MGMT CA SUMMARY				
1P1	POL MANAGEMENT CA TOTAL	$13,080.60		$13,080.60
1P2	POL OTHER PROGRAMS CA TOTAL			
1P	POL MANAGEMENT TASK TOTAL	$13,080.60		$13,080.60
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$98,435.11		$98,435.11
1C2	INTERIM CMC CA TOTAL			
1C3	CO-OP AGREEMENT CONTINGECY CA TOTAL			
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$98,435.11		$98,435.11
1	MANAGEMENT TOTAL	$111,515.71		$111,515.71
CONST CA SUMRY				
2L1	LCC COSTS CA TOTAL			
2L2	LCC START-UP COSTS CA TOTAL	$90,589.00		$90,589.00
2L	LCC ADMINISTRATION TASK TOTAL	$90,589.00		$90,589.00
2M1	MOBILIZATION CA TOTAL			
2M2	LAND SURVEY CA TOTAL	$14,515.08	$359.67	$14,155.41
2M3	LCC TRAINING CA TOTAL	$2,723.72		$2,723.72
2M	MOBILIZATION TASK TOTAL	$17,238.80	$359.67	$16,879.13
2E1	BACKFILLING CA TOTAL	$357,173.89	$85,729.09	$271,444.80
2E2	DUMP SLOPING CA TOTAL	$217,737.04	$42,198.97	$175,538.07
2E3	COVER PLACEMENT CA TOTAL	$6,333.40	$1,408.40	$4,925.00
2E4	CONTAMINATED SOIL CA TOTAL	$1,350.97	$95.73	$1,255.24
2E5	HIGHWALL CA TOTAL			
2E6	EROSION CONTROL CA TOTAL			
2E	EARTHWORK TASK TOTAL	$582,595.30	$129,432.19	$453,163.11
2S1	UG ENTRIES ABANDON CA TOTAL			
2S2	PIT WATER CA TOTAL	$4,782.32		$4,782.32
2S3	SS DEMOLITION CA TOTAL			
2S4	SS DECON CA TOTAL			
2S5	PERMANENT STRUCTURES CA TOTAL	$20,068.09	$281.87	$19,786.22
2S	STRUCTURES TASK TOTAL	$24,850.41	$281.87	$24,568.54
2R1	SEEDING CA SUBTOTAL			
2R2	IRRIGATION CA SUBTOTAL			
2R	REVEGETATION TASK TOTAL			
2	CONSTRUCTION TOTAL	$715,273.51	$130,073.73	$585,199.78
	JACKPILE PROJECT SUMMARY			
1	MANAGEMENT TOTAL	$111,515.71	N/A	$111,515.71
2	CONSTRUCTION TOTAL	$715,273.51	$130,073.73	$585,199.78
	GRAND TOTAL	$826,789.22	$130,073.73	$696,715.49

JACKPILE
PROJECT TO DATE TRACKING

PY90
PY91
INTERIM
MOBILIZATION

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	PTD ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	% OF ESTIMATE SPENT	REPORTED % COMPLETE	ESTIMATED VARIANCE AT COMPLETION
MGMT CA SUMMARY									
1P1	POL MANAGEMENT CA TOTAL	$304,998.00	$98,687.68		$98,687.68	$206,311.16	32%	28%	($42,221.08)
1P2	POL OTHER PROGRAMS CA TOTAL								
1P	POL MANAGEMENT TASK TOTAL	$304,998.00	$98,687.68		$98,687.68	$206,311.16	32%	28%	($42,221.08)
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$855,821.10	$543,332.13		$543,332.13	$312,488.97	63%	58%	($81,251.47)
1C2	INTERIM CMC CA TOTAL	$200,018.90	$205,116.43		$205,116.43	($5,097.53)	103%	100%	($5,097.53)
1C3	CO-OP AGREEMENT CONTINGECY CA TOTAL								
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$1,055,840.00	$748,448.56		$748,448.56	$307,391.44	71%	66%	($86,349.00)
1	MANAGEMENT TOTAL	$1,360,838.00	$847,136.24		$847,136.24	$513,702.60	62%	57%	($128,570.08)
CONST CA SUMRY									
2L1	LCC COSTS CA TOTAL	$810,300.00	$820,363.40		$820,363.40	($10,063.40)	101%	100%	($700.40)
2L2	LCC START-UP COSTS CA TOTAL	$586,100.00	$473,379.20		$473,379.20	$112,720.80	81%	89%	$52,328.13
2L	LCC ADMINISTRATION TASK TOTAL	$1,396,400.00	$1,293,742.60		$1,293,742.60	$102,657.40	93%	100%	$51,627.73
2M1	MOBILIZATION CA TOTAL	$444,617.00	$424,530.29	$19.38	$424,510.91	$20,086.71	95%	99%	$14,782.70
2M2	LAND SURVEY CA TOTAL	$117,913.00	$151,429.80	$3,411.48	$148,018.32	($33,516.80)	128%	115%	($11,242.67)
2M3	LCC TRAINING CA TOTAL	$186,228.00	$138,185.22	$3,635.60	$134,549.62	$48,042.78	74%	102%	$54,402.10
2M	MOBILIZATION TASK TOTAL	$748,758.00	$714,145.31	$7,066.46	$707,078.85	$34,612.69	95%	102%	$57,942.13
2E1	BACKFILLING CA TOTAL	$6,396,125.00	$3,461,948.87	$838,430.18	$2,623,518.69	$2,934,176.13	54%	60%	$2,037,781.59
2E2	DUMP SLOPING CA TOTAL	$3,082,324.00	$1,653,769.36	$377,650.20	$1,276,119.16	$1,428,554.64	54%	67%	$1,166,185.42
2E3	COVER PLACEMENT CA TOTAL	$45,766.00	$6,527.47	$1,408.40	$5,119.07	$39,238.53	14%	11%	
2E4	CONTAMINATED SOIL CA TOTAL	$174,065.00	$117,942.49	$26,772.97	$91,169.52	$155,006.51	68%	86%	$68,324.10
2E5	HIGHWALL CA TOTAL	$134,010.00	$58,321.27		$58,321.27	$75,688.73	44%	44%	$2,253.46
2E6	EROSION CONTROL CA TOTAL								
2E	EARTHWORK TASK TOTAL	$9,832,290.00	$5,298,509.46	$1,244,261.75	$4,054,247.71	$4,632,664.54	54%	62%	$3,274,544.57
2S1	UG ENTRIES ABANDON CA TOTAL	$95,055.00	$12,300.80	$10.00	$12,290.80	$82,754.20	13%	37%	$61,817.74
2S2	PIT WATER CA TOTAL	$416,990.00	$393,237.82	$96,424.37	$296,813.45	$23,752.18	94%	70%	($7,375.05)
2S3	SS DEMOLITION CA TOTAL	$175,629.00	$137,009.53	$3,659.79	$133,349.74	$38,819.47	78%	82%	$12,721.55
2S4	SS DECON CA TOTAL								
2S5	PERMANENT STRUCTURES CA TOTAL	$177,418.00	$92,385.05	$1,068.64	$91,316.41	$85,032.95	52%	40%	($50,873.02)
2S	STRUCTURES TASK TOTAL	$865,292.00	$634,933.20	$101,162.80	$533,770.40	$230,358.80	73%	63%	$16,291.21
2R1	SEEDING CA SUBTOTAL	$54,917.00	$31,304.00		$31,304.00	$23,613.00	57%	100%	$23,613.00
2R2	IRRIGATION CA SUBTOTAL								
2R	REVEGETATION TASK TOTAL	$54,917.00	$31,304.00		$31,304.00	$23,613.00	57%	100%	$23,613.00
2	CONSTRUCTION TOTAL	$12,897,657.00	$7,972,634.57	$1,352,491.01	$6,620,143.56	$5,023,906.43	62%	70%	$3,424,018.65
	JACKPILE PROJECT SUMMARY								
1	MANAGEMENT TOTAL	$1,360,838.00	$847,136.24	N/A	$847,136.24	$513,702.60	62%	57%	($128,570.08)
2	CONSTRUCTION TOTAL	$12,897,657.00	$7,972,634.57	$1,352,491.01	$6,620,143.56	$5,023,906.43	62%	70%	$3,424,018.65
	GRAND TOTAL	$14,258,495.00	$8,819,770.81	$1,352,491.01	$7,467,279.80	$5,537,609.03			

DETAIL FOR PTD

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	PTD ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	% OF ESTIMATE SPENT	REPORTED % COMPLETE	ESTIMATED VARIANCE AT COMPLETION
POL MGMT									
1P1L01	PROJECT MANAGEMENT - PY90	$110,859.00	$85,607.08		$85,607.08	$25,251.92	77%	100%	$25,251.92
1P1L01A	PROJECT MANAGEMENT - PY91	$194,139.00	$13,080.60		$13,080.60	$181,058.40	7%	5%	($67,473.00)
1P1L01B									
1P1L01C									
1P1L01D									
1P1	POL MANAGEMENT CA TOTAL	$304,998.00	$98,687.68		$98,687.68	$206,311.16	32%	28%	($42,221.08)
A/E									
1P2L01	PRIOR DESIGN AND SPECIFICATIONS								
1P2L02	PRIOR LEGAL EXPENSE								
1P2L03	PRIOR POL EXPENSE								
1P2	ENGINEERING CA TOTAL								
1P	POL MANAGEMENT TASK TOTAL	$304,998.00	$98,687.68		$98,687.68	$206,311.16	32%	28%	($42,221.08)
CMC									
1C1L01	ENGINEERING SERVICES CONTRACT - PY90	$434,040.00	$394,156.74		$394,156.74	$39,883.26	91%	100%	$39,883.26
1C1L01A	ENGINEERING SERVICES CONTRACT - PY91	$204,842.00	$61,004.01		$61,004.01	$143,837.99	30%	20%	($100,178.05)
1C1L03	NO WORK PACKAGE ASSIGNED TO THIS WBS #								
1C1L04	NO WORK PACKAGE ASSIGNED TO THIS WBS #								
1C1L05	ENVIRONMENTAL MONITORING: PY90	$106,654.10	$50,740.28		$50,740.28	$55,913.82	48%	100%	$55,913.82
1C1L05A	ENVIRONMENTAL MONITORING: PY91	$110,285.00	$37,431.10		$37,431.10	$72,853.90	34%	20%	($76,870.50)
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$855,821.10	$543,332.13		$543,332.13	$312,488.97	63%	58%	($81,251.47)
INTERIM CMC									
1C2L01	COMPLETE 1989 (CONST. MGMT.)	$116,337.65	$115,775.00		$115,775.00	$562.65	100%	100%	$562.65
1C2L02	COMPLETE 1989 (CMC PURCHASES)	$5,392.35	$5,392.35		$5,392.35		100%	100%	
1C2L03B	COMPLETE 1990 (ENV. MONITORING)	$78,288.90	$83,949.08		$83,949.08	($5,660.18)	107%	100%	($5,660.18)
1C2	INTERIM CMC CA TOTAL	$200,018.90	$205,116.43		$205,116.43	($5,097.53)	103%	100%	($5,097.53)
CONTINGENCY									
1C3L01	MITIGATION PER CO-OP AGREEMENT								
1C3L02	REVEGETATION PER CO-OP AGREEMENT								
1C3	O-OP AGREEMENT CONTINGENCY CA TOTAL								
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$1,055,840.00	$748,448.56		$748,448.56	$307,391.44	71%	66%	($88,349.00)

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WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	PTD ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	% OF ESTIMATE SPENT	REPORTED % COMPLETE	ESTIMATED VARIANCE AT COMPLETION
1	MANAGEMENT TOTAL	$1,360,838.00	$847,136.24		$847,136.24	$513,702.60	62%	57%	($128,570.08)
LCC ADMIN									
2L1L01	COMPLETE 1990 (LCC G&A)	$810,300.00	$811,000.40		$811,000.40	($700.40)	100%	100%	($700.40)
2L1L02	DELETED 1990 (LCC MARGIN)		$9,363.00		$9,363.00	($9,363.00)			N/A
2L1	LCC COSTS CA TOTAL	$810,300.00	$820,363.40		$820,363.40	($10,063.40)	101%	100%	($700.40)
2L2L01	COMPLETE 1990 (LCC MOB. G&A)	$119,100.00	$89,400.00		$89,400.00	$29,700.00	75%	100%	$29,700.00
2L2L02	LCC INSURANCE INTERIM – PY90	$145,500.00	$117,390.20		$117,390.20	$28,109.80	81%	100%	$28,109.80
2L2L02A	LCC INSURANCE INTERIM – PY91	$145,500.00	$90,589.00		$90,589.00	$54,911.00	62%	60%	($5,481.67)
2L2L03	COMPLETE 1990 (LCC ADMIN COSTS)	$176,000.00	$176,000.00		$176,000.00		100%	100%	
2L2	LCC START-UP COSTS CA TOTAL	$586,100.00	$473,379.20		$473,379.20	$112,720.80	81%	89%	$52,328.13
2L	LCC ADMINISTRATION TASK TOTAL	$1,396,400.00	$1,293,742.60		$1,293,742.60	$102,657.40	93%	100%	$51,627.73
MOBILIZATION									
2M1L01	NO WORK PACKAGE ASSIGNED THIS WBS #								
2M1L05	COMPLETE 1990 (SMALL TOOLS)	$63,724.00	$61,934.04		$61,934.04	$1,789.96	97%	100%	$1,789.96
2M1L06	COMPLETE 1990 (REMODELING)	$46,520.00	$50,732.20		$50,732.20	($4,212.20)	109%	100%	($4,212.20)
2M1L07	COMPLETE 1990 (RECONDITIONING)	$97,163.00	$113,909.36	$19.38	$113,889.98	($16,746.36)	117%	100%	($16,726.98)
2M1L08	COMPLETE 1990 (SHOPS)	$192,210.00	$190,603.34		$190,603.34	$1,606.66	99%	100%	$1,606.66
2M1X01A	BARRICADING ROAD CLOSURE	$45,000.00	$7,351.35		$7,351.35	$37,648.65	16%	58%	$32,325.26
2M1	MOBILIZATION CA TOTAL	$444,617.00	$424,530.29	$19.38	$424,510.91	$20,086.71	95%	99%	$14,782.70
LAND SURVEY									
2M2N01	LAND SURVEY NP AREA	$117,913.00	$131,705.71	$2,550.04	$129,155.67	($13,792.71)	112%	100%	($11,242.67)
2M2S01	LAND SURVEY SP AREA		$19,724.09	$861.44	$18,862.65	($19,724.09)			
2M2J01	LAND SURVEY JP AREA								
2M2	LAND SURVEY CA TOTAL	$117,913.00	$151,429.80	$3,411.48	$148,018.32	($33,516.80)	128%	115%	($11,242.67)
TRAINING									
2M3L01	COMPLETE 1990 (MOB. OP. TRAINING)	$14,600.00				$14,600.00		100%	$14,600.00
2M3L02	OPERATOR TRAINING: EARTHWORK – PY90	$171,628.00	$135,461.50	$3,635.60	$131,825.90	$36,166.50	79%	100%	$39,802.10
2M3L02A	OPERATOR TRAINING: EARTHWORK – PY91		$2,723.72		$2,723.72	($2,723.72)			
2M3	LCC TRAINING CA TOTAL	$186,228.00	$138,185.22	$3,635.60	$134,549.62	$48,042.78	74%	102%	$54,402.10
2M	MOBILIZATION TASK TOTAL	$748,758.00	$714,145.31	$7,066.46	$707,078.85	$34,612.69	95%	102%	$57,942.13

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BACKFILLING									
2E1N01	COMPLETE 1990 (NP HAUL ROADS)	$60,352.00	$87,120.86	$12,184.44	$74,936.42	($26,768.86)	144%	100%	($14,584.42)
2E1N02A	HAUL TO NP PIT: NP-PS-17	$1,838,682.00	$984,041.11	$255,905.69	$728,135.42	$854,640.89	54%	90%	$541,346.64
2E1N03	COMPLETED 1990 (NP-PS-18)	$1,313,140.00	$799,421.48	$222,620.62	$576,800.86	$513,718.52	61%	100%	$387,611.14
2E1N04	COMPLETED 1990 (NP-PS-14)	$413,123.00	$113,590.17	$30,389.74	$83,200.43	$299,532.83	27%	100%	$217,358.57
2E1N05	COMPLETED 1990 (NP-PS-15)	$408,830.00	$144,161.47	$33,927.65	$110,233.82	$264,668.53	35%	100%	$189,055.18
2E1N06	COMPLETED 1990 (NP-PS-16)	$257,759.00	$163,554.93	$39,889.15	$123,665.78	$94,204.07	63%	100%	$65,640.22
2E1N07	COMPLETE 1990 (SP-PS-01)	$1,616,723.00	$886,030.15	$213,963.59	$672,066.56	$730,692.85	55%	100%	$515,306.44
2E1N08	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E1N09	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E1N10A	HAUL TO NP PIT: NP-WT-10	$102,067.00	$43,549.63	$5,869.06	$37,680.57	$58,517.37	43%	80%	$26,902.29
2E1N11	COMPLETE 1990 (NP-PS-13)	$149,157.00	$150,560.64	$18,071.14	$132,489.50	($1,403.64)	101%	100%	($14,403.50)
2E1N12	COMPLETE 1990 (NP-WS-19)	$148,393.00	$48,316.68		$48,316.68	$100,076.32	33%	100%	$100,076.32
	NP BACKFILLING SUBTOTAL	$6,308,226.00	$3,420,347.12	$832,821.08	$2,587,526.04	$2,887,878.88	54%	60%	$2,014,308.88
2E1S01A	CONSTRUCT SP HAUL ROADS	$87,899.00	$41,601.75	$5,609.10	$35,992.65	$46,297.25	47%	85%	$23,472.71
2E1S02	HAUL SP-PS-02 TO SP-OP-34								
	SP BACKFILLING SUBTOTAL	$87,899.00	$41,601.75	$5,609.10	$35,992.65	$46,297.25	47%	56%	$23,472.71
2E1J01	CONSTRUCT JP HAUL ROADS & RAMPS								
2E1J02	HAUL JP-PS-23 TO JP-OP-41								
2E1J03	HAUL JP-PS-24 TO JP-OP-41								
2E1J04	HAUL JP-PS-25 TO JP-OP-41								
2E1J05	HAUL JP-PS-26 TO JP-OP-41								
2E1J06	HAUL JP-WO-10 TO JP-OP-41								
2E1J07	HAUL JP-PS-27 TO JP-OP-41								
2E1J08	HAUL JP-WO-07 TO JP-OP-41								
2E1J09	HAUL JP-WO-12 TO JP-OP-41								
2E1J10	HAUL JP-WS-08 TO JP-OP-41								
2E1J11	HAUL JP-WS-15 TO JP-OP-41								
2E1J12	HAUL JP-WO-71 TO JP-OP-41								
2E1J13	HAUL JP-WO-03 TO JP-OP-41								
2E1J14	HAUL JP-WS-13/WO-20 TO JP-OP-42								
2E1J15	NO WORK PACKAGE ASSIGNED THIS WBS #								
	JP BACKFILLING SUBTOTAL								
2E1	BACKFILLING CA TOTAL	$6,396,125.00	$3,461,948.87	$838,430.18	$2,623,518.69	$2,934,176.13	54%	60%	$2,037,781.59
DUMP SLOPING									
2E2N01	DELETED 1990 (NP-WO-01)								
2E2N02	CUT SLOPES NP-WO-02(BENEATH NP-PS-17)								
2E2N03	CUT NP-WS-03 SLOPES	$24,377.00	$13,263.51	$2,375.05	$10,887.86	$11,113.49	54%	40%	($2,842.65)
2E2N04	COMPLETE 1990 (NP-WO-04)	$24,959.00	$15,263.43	$3,406.72	$11,856.71	$9,695.57	61%	100%	$7,903.29
2E2N05A	CUT NP-WO-06 SLOPES	$23,741.00	$494.43	$41.68	$452.75	$23,246.57	2%	2%	($8,821.50)
2E2N06	CUT NP-WT-09 SLOPES								
2E2N07	REGRADE NP-DN-22								
2E2N08	CUT NP-WM-12 SLOPES	$14,262.00	$4,993.22	$907.31	$4,085.91	$9,268.78	35%	60%	$7,452.15
[illegible]	TE 1990 (NP-HW-25)	$24,309.00	$7,071.87	$1,560.41	$5,511.46	$17,237.13	[illegible]	[illegible]	[illegible]

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	NP DUMP SLOPING SUBTOTAL	$111,648.00	$41,086.46	$8,291.77	$32,794.69	$70,561.54	37%	36%	$20,055.83
2E2S01	COMPLETED 1990 (SP-WO-13A/WO-10)	$156,202.00	$33,389.39	$6,964.98	$26,424.41	$122,812.61	21%	100%	$129,777.59
2E2S02	CUT SP-WS-17 SLOPES								
2E2S03A	CUT SP-WO-13B/WS-18A SLOPES	$1,013,795.00	$738,760.62	$172,467.80	$566,292.82	$275,034.38	73%	92%	$187,074.33
2E2S04	COMPLETE 1990 (SP-WO-14)	$54,671.00	$24,099.72	$5,621.00	$18,478.72	$30,571.28	44%	100%	$24,803.28
2E2S05	CUT SP-WS-18B SLOPES								
2E2S06	COMPLETED 1990 (SP-WS-18C/WT-19)	$694,880.00	$494,431.10	$123,410.45	$371,020.65	$200,448.90	71%	100%	$131,332.35
2E2S07	COMPLETED 1990 (SP-WT-03)	$42,786.00	$18,080.41	$3,083.78	$14,996.63	$24,705.59	42%	100%	$18,876.37
2E2S08	DELETED 1990 (SP-WT-05)								
2E2S09	COMPLETE 1990 (SP-WO-38)	$2,377.00	$899.49	$197.80	$701.69	$1,477.51	38%	100%	$1,180.31
2E2S10	DELETED 1990 (SP-WS-06)								
2E2S11	COMPLETE 1990 (SP-WT-19A)	$36,843.00	$9,895.30	$397.22	$9,498.08	$26,947.70	27%	100%	$19,669.92
2E2S12	COMPLETED 1990 (SP-WM-12/WS-11)	$50,512.00	$37,863.90	$7,006.12	$30,857.78	$12,648.10	75%	100%	$9,132.22
2E2S13	DELETED 1990 (SP-WT-15A/15B)								
2E2S14	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2S15	COMPLETE 1990 (SP-WT-16/WT-37)	$34,710.00	$13,850.88	$2,994.50	$10,856.38	$20,859.12	40%	100%	$23,853.62
2E2S16	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2S17	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2S18	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2S19	COMPLETED 1990 (SP-MISCELLANEOUS SLOP	$5,080.00	$2,300.24	$530.73	$1,769.51	$2,779.76	45%	100%	$3,310.49
	SP DUMP SLOPING SUBTOTAL	$2,091,856.00	$1,373,571.05	$322,674.38	$1,050,896.67	$718,284.95	66%	68%	$549,010.48
2E2J01	CUT JP-WO-11 SLOPES								
2E2J02	CUT JP-WT-16D SLOPES								
2E2J03	CUT JP-WS-17 SLOPES								
2E2J04	CUT JP-PS-22 SLOPES								
2E2J05	CUT JP-WO-72 SLOPES								
2E2J06	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J07	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J08	CUT JP-WS-01 SLOPES								
2E2J09	DELETED 1990 (JP-WT-02A/02B/02C)								
2E2J10	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J11	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J12	CUT JP-WO-06 SLOPES								
2E2J13	CUT JP-WS-08/12 SLOPES								
2E2J14A	CUT JP-WO-11 SLOPES	$721,679.00	$193,350.11	$38,123.19	$155,226.92	$528,328.89	27%	64%	$479,136.94
2E2J15A	CUT JP-WS-15A/15B SLOPES	$157,141.00	$45,761.74	$8,560.86	$37,200.88	$111,379.26	29%	95%	$117,982.18
2E2J16	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J17	CUT JP-WS-16A/16B/16C SLOPES								
2E2J18	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J19	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E2J20	CUT SLOPES JP-WO-14 (NORTH SLOPES)								
2E2J21	CUT JP-WS-19A SLOPES								
2E2J22	CUT JP-WS-19B SLOPES								
2E2J23	CUT JP-WS-19C SLOPES								
2E2J24	CUT JP-WO-66 SLOPES								
2E2J25	DELETED 1990 (JP-WO-70)								

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2E2J26	CUT JP-WO-18/66A SLOPES								
2E2J27	CUT JP-WO-18/66B SLOPES								
2E2J28	CUT JP-WO-18/66C SLOPES								
2E2J29	DELETED 1990 (JP-WO-03A)								
2E2J30	DELETED 1990 (JP-WO-03B)								
2E2J31	DELETED 1990 (JP-WO-04A)								
2E2J32	DELETED 1990 (JP-WO-04B)								
2E2J33	DELETED 1990 (JP-WO-05A)								
2E2J34	DELETED 1990 (JP-WO-05B)								
	JP DUMP SLOPING SUBTOTAL	$878,820.00	$239,111.85	$46,684.05	$192,427.80	$639,708.15	27%	68%	$597,119.12
2E2	DUMP SLOPING CA TOTAL	$3,082,324.00	$1,653,769.36	$377,650.20	$1,276,119.16	$1,428,554.64	54%	67%	$1,166,185.42
COVER PLACEMENT									
2E3N01	HAUL SOIL FROM NP-SB-61 TO NP-D8								
2E3N02	HAUL SOIL FROM NP-SB-26 TO NP-D2								
2E3N03	HAUL SOIL FROM NP-SB-27 TO NP-D7								
2E3N04	HAUL SOIL FROM NP-SB-27 TO NP-D9								
2E3N05	HAUL SOIL FROM NP-SB-27 TO NP-D6		$194.07		$194.07	($194.07)			
2E3N06	HAUL SOIL FROM NP-SB-61 TO NP-D9								
2E3N07	HAUL SOIL FROM SP-DN-61 TO NP-D4								
2E3N08	HAUL SOIL FROM SP-DN-61 TO NP-D1								
2E3N09	HAUL SOIL FROM SP-DN-61 TO NP-D3								
2E3N10	HAUL SOIL FROM SP-DN-61 TO NP-D5								
2E3N11	HAUL SOIL FROM SP-DN-61 TO NP-D10								
2E3N12	DELETED 1990 (NP-WS-31)								
2E3N13	HAUL SHALE FROM NP-WS-31 TO NP-D9								
2E3N14	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E3N15	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E3N16	HAUL SHALE FROM NP-WS-31 TO NP-D8								
2E3N17	HAUL SHALE FROM NP-WS-31 TO NP-D10								
2E3N18	HAUL SHALE FROM NP-WS-03 TO NP-D3		$6,333.40	$1,408.40	$4,925.00	($6,333.40)			
2E3N19	HAUL SHALE FROM NP-WS-03 TO NP-D2								
2E3N20	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E3N21	HAUL SHALE FROM NP-WS-03 TO NP-D1								
	NP COVER PLACEMENT SUBTOTAL		$6,527.47	$1,408.40	$5,119.07	($6,527.47)			
2E3S01	SOIL BORROW SP-OP-35(SP-D1)FROM SP-SB-50								
2E3S02	SOIL BORROW SP-WS-17(SP-D2)FROM SP-SB-44								
2E3S03	SOIL BORROW SP-D3 FROM SP-SB-44								
2E3S04	HAUL SOIL FROM SP-SB-42 TO SP-D4								
2E3S05	HAUL SOIL FROM SP-SB-42 TO SP-D5								
2E3S06	HAUL SOIL FROM SP-SB-42 TO SP-D6								
2E3S07	HAUL SOIL FROM SP-SB-42 TO SP-D7								
2E3S08	SOIL BORROW (D8) FROM SP-SB-44								
2E3S09	SOIL BORROW (D9) FROM SP-SB-42								
2E3S10	HAUL SOIL FROM SP-SB-42 TO SP-D10								

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2E3S11	SOIL BORROW (SP-D11) FROM SP-SB-42								
2E3S12	SOIL BORROW (SP-D12) FROM SP-SB-43								
2E3S13	SOIL BORROW (SP-D1B) FROM SP-SB-50								
2E3S14	SHALE BORROW (SP-13A)FROM SP-WS-17								
2E3S15	SHALE BORROW (SP-13B)FROM SP-WS-17								
2E3S16	SHALE BORROW SP-PS-01 FROM SP-WS-07								
2E3S17	SHALE BORROW (SP-14) FROM SP-WS-07	$39,234.00				$39,234 00			
2E3S18	HAUL SHALE FROM SP-WS-07 TO SP-04								
2E3S19	HAUL SHALE FROM SP-WS-07 TO SP-D10	$6,532 00				$6,532.00			
2E3S20	HAUL SHALE FROM SP-WS-07 TO SP-38								
2E3S21	HAUL SHALE FROM SP-WS-07 TO SP-10								
	SP COVER PLACEMENT SUBTOTAL	$45,766.00				$45,766.00			
2E3J01	HAUL SOIL FROM JP-SB-53 TO D4								
2E3J02	HAUL SOIL FROM JP-SB-53 TO D5								
2E3J03	HAUL SOIL FROM JP-SB-53 TO D6								
2E3J04	HAUL SOIL FROM JP-SB-53 TO D9A								
2E3J05	HAUL SOIL FROM JP-SB-53 TO D1								
2E3J06	HAUL SOIL FROM JP-SB-53 TO D3								
2E3J07	HAUL SOIL FROM JP-SB-64 TO D2								
2E3J08	HAUL SOIL FROM JP-SB-64 TO D7								
2E3J09	HAUL SOIL FROM JP-SB-64 TO D11								
2E3J10	HAUL SOIL FROM JP-SB-64 TO D12								
2E3J11	HAUL SOIL FROM JP-SB-54 TO D16								
2E3J12	HAUL SOIL FROM JP-SB-54 TO D15								
2E3J13	DELETED 1990 (JP-SB-54)								
2E3J14	DELETED 1990 (JP-SB-54)								
2E3J15	DELETED 1990 (JP-SB-54)								
2E3J16	DELETED 1990 (JP-SB-54)								
2E3J17	DELETED 1990 (JP-SB-54)								
2E3J18	HAUL SHALE FROM JP-WS-19 TO D4								
2E3J19	HAUL SHALE FROM JP-WS-15 TO D1								
2E3J20	HAUL SHALE FROM JP-WS-15 TO D2								
2E3J21	HAUL SHALE FROM JP-WS-15 TO D7								
2E3J22	HAUL SHALE FROM JP-WS-15 TO D11								
2E3J23	HAUL SHALE FROM JP-WS-15 TO D12								
2E3J24	HAUL SHALE FROM JP-WT-02 TO D8A								
2E3J25	DELETED 1990 (JP-WT-02)								
2E3J26	DELETED 1990 (JP-WT-02)								
2E3J27	DELETED 1990 (JP-WT-02)								
2E3J28	HAUL SHALE FROM JP-WT-02 TO D15								
2E3J29	HAUL SHALE FROM JP-WT-02 TO D16								
	JP COVER PLACEMENT SUBTOTAL								
2E3	COVER PLACEMENT CA TOTAL	$45,766.00	$6,527.47	$1,408.40	$5,119.07	$39,238.53	14%	11%	

CONTAM SOIL EVV

DETAIL FOR PTD

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	PTD ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	% OF ESTIMATE SPENT	REPORTED % COMPLETE	ESTIMATED VARIANCE AT COMPLETION
2E4NO1	HAUL CS FROM NP-CS-23/24 TO NP-OP-20	$98,884.00				$98,884.00		90%	$98,884.00
	NP CONTAMINATED SOIL SUBTOTAL					$98,884 00			$98,884.00
2E4S01A	FM SP-CS-27/28/31/33/53 TO SP-OP-34	$162,633 00	$94,795 66	$20,855.59	$73,940.07	$67,837.34	58%	60%	($21,619.45)
2E4S02	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E4S03	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E4S04	SP-CS-33								
2E4S05	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E4S06	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E4S07	COMPLETED 1990 (SP-CS-62/32 TO SP-OP-35)	$11,432.00	$23,146.83	$5,917 38	$17,229.45	($11,714 83)	202%	100%	($8,940.45)
	SP CONTAMINATED SOIL SUBTOTAL	$174,065.00	$117,942.49	$26,772.97	$91,169.52	$56,122.51	68%	50%	($30,559.90)
2E4J01	HAUL CS FROM JP-CS-36 TO JP-OP-41								
2E4J02	HAUL CS FROM JP-CS-38/37 TO JP-OP-41								
2E4J03	NO WORK PACKAGE ASSIGNED THIS WBS #								
2E4J04	HAUL CS FROM JP-CS-39 TO JP-OP-42								
	JP CONTAMINATED SOIL SUBTOTAL								
2E4	CONTAMINATED SOIL CA TOTAL	$174,065.00	$117,942.49	$26,772.97	$91,169.52	$155,006.51	68%	86%	$68,324.10
HIGHWALL RECLAM									
2E5N01	TRIM NP HIGHWALLS								
2E5N02	SCALE NP HIGHWALLS								
	NP HIGHWALL SUBTOTAL								
2E5S01A	TRIM SP HIGHWALLS	$67,698.00	$29,160.64		$29,160.64	$38,537.36	43%	50%	($4,487.28)
2E5S02A	SCALE SP HIGHWALLS	$66,312.00	$29,160.63		$29,160.63	$37,151.37	44%	50%	$6,740.74
	SP HIGHWALL SUBTOTAL	$134,010.00	$58,321.27		$58,321.27	$75,688.73	44%	44%	$2,253.46
2E5J01	TRIM JP HIGHWALLS								
2E5J02	SCALE JP HIGHWALLS								
	JP HIGHWALL SUBTOTAL								
2E5	HIGHWALL CA TOTAL	$134,010 00	$58,321.27		$58,321.27	$75,688.73	44%	44%	$2,253.46
EROSION CONTROL									
2E6NO1	DELETED 1990 (EROSION ROCK)								
2E6NO2	DELETE RIO MOQUINO CHANNEL								
2E6NO3	DELETED 1990 (BEDDING MATERIAL)								
	RIO MOQUINO AND NP DITCH SUBTOTAL								
2E6XO1	DELETED 1990 (QUARRY ROCK)								
2E6XO2	DELETED 1990 (PROCESS ROCK)								
	ROCK SUBTOTAL								
2E6	EROSION CONTROL CA TOTAL								
2E	EARTHWORK TASK TOTAL	$9,832,290.00	$5,298,509.46	$1,244,261.75	$4,054,247.71	$4,632,664.54	54%	62%	$3,274,544.57

DETAIL FOR PTD

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	PTD ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	% OF ESTIMATE SPENT	REPORTED % COMPLETE	ESTIMATED VARIANCE AT COMPLETION
UG ENTRIES ABAN									
2S1N01	SEAL PW 2/3 UG ENTRY: NP SUBTOTAL	$317.00				$317.00		100%	$317.00
2S1SO1	SEAL P-13 ADIT								
2S1SO2	SEAL P-10 DECLINE								
2S1SO3	COMPLETE 1990 (H-I ADIT)	$10,902.00	$476.07		$476.07	$10,425.93	4%	100%	$10,425.93
2S1SO4A	SEAL VENT HOLES	$56,640.00	$11,824.73	$10.00	$11,814.73	$44,815.27	21%	70%	$23,878.81
2S1SO5	COMPLETE 1990 (DRILL HOLES)	$27,196.00				$27,196.00		100%	$27,196.00
	SP UG ENTRIES ABANDON SUBTOTAL	$94,738.00	$12,300.80	$10.00	$12,290.80	$82,437.20	13%	37%	$61,500.74
2S1J01	SEAL JP-SS-50 ENTRIES								
2S1J02	SEAL JP-SS-46 ENTIRES								
	JP UG ENTRIES ABANDON SUBTOTAL								
2S1	UG ENTRIES ABANDON CA TOTAL	$95,055.00	$12,300.80	$10.00	$12,290.80	$82,754.20	13%	37%	$61,817.74
PIT WATER									
2S2N01	COMPLETE 1990 (NP PIT)	$141,666.00	$161,935.47	$36,761.23	$125,174.24	($20,269.47)	114%	100%	$16,491.76
2S2S01	DISPOSE OF SP PIT WATER	$93,920.00	$128,155.26	$23,736.58	$104,418.68	($34,235.26)	136%	100%	($12,033.68)
2S2J01A	DISPOSE OF JP PIT WATER	$181,404.00	$103,147.09	$35,926.56	$67,220.53	$78,256.91	57%	38%	($11,833.13)
2S2	PIT WATER CA TOTAL	$416,990.00	$393,237.82	$96,424.37	$296,813.45	$23,752.18	94%	70%	($7,375.05)
SURF STRUC DEM									
2S3N01	COMPLETE 1990 (NP SURF. STRUC.)	$2,947.00	$1,172.41		$1,172.41	$1,774.59	40%	100%	$1,774.59
2S3S01	DEMOLISH SP SURFACE STRUCTURES	$57,896.00	$35,016.80	$38.05	$34,978.75	$22,879.20	60%	100%	$22,917.25
2S3J01A	DEMOLISH JP SURFACE STRUCTURES	$114,986.00	$100,820.32	$3,621.74	$97,198.58	$14,165.68	88%	95%	($11,970.29)
2S3	SS DEMOLITION CA TOTAL	$175,829.00	$137,009.53	$3,659.79	$133,349.74	$38,819.47	78%	82%	$12,721.55
SURF STRC DECOM									
2S4XY	NOT ASSIGNED								
2S4	SS DECOM CA TOTAL								
PERM STRUC									
2S5N01	CONSTRUCT PERMANENT ACCESS ROADS:NP								
2S5N02	CONSTRUCT PERMANENT FENCES: NP AREA								
	NP STRUCTURES SUBTOTAL								
2S5S01	CONSTRUCT PERMANENT ACCESS ROADS:SP								
2S5S02	CONSTRUCT PERMANENT FENCES: SP AREA								
	SP STRUCTURES SUBTOTAL								
2S5J01	CONSTRUCT PERMANENT ACCESS ROADS:SP								
2S5J02	CONSTRUCT PERMANENT FENCES: SP AREA								
	JP STRUCTURES SUBTOTAL								
2S5J09	CONSTRUCT PERMANENT FENCES: ALL AREA	$177,418.00	$92,385.05	$1,068.64	$91,316.41	$85,032.95	52%	40%	($50,873.02)
	ALL STRUCTURES SUBTOTAL	$177,418.00	$92,385.05	$1,068.64	$91,316.41	$85,032.95	52%	40%	($50,873.02)
2S5	PERMANENT STRUCTURES CA TOTAL	$177,418.00	$92,385.05	$1,068.64	$91,316.41	$85,032.95	52%	40%	($50,873.02)

DETAIL FOR PTD

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	PTD ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	% OF ESTIMATE SPENT	REPORTED % COMPLETE	ESTIMATED VARIANCE AT COMPLETION
2S	STRUCTURES TASK TOTAL	$865,292.00	$634,933.20	$101,162.80	$533,770.40	$230,358.80	73%	63%	$16,291.21
SEEDBEDS									
2R1N01	PREPARE BED & SEED NP FLAT AREAS								
2R1N02	PREPARE BED & SEED NP SLOPE AREAS								
	NP SEEDING SUBTOTAL								
2R1S01	PREPARE BED & SEED SP FLAT AREAS								
2R1S02	PREPARE BED & SEED SP SLOPE AREAS								
2R1S03	COMPLETE 1990 (RESEED AT HOUSING AREA)	$54,917.00	$31,304.00		$31,304.00	$23,613.00	57%	100%	$23,613.00
	SP SEEDING SUBTOTAL	$54,917.00	$31,304.00		$31,304.00	$23,613.00	57%	100%	$23,613.00
2R1J01	PREPARE BED & SEED JP FLAT AREAS								
2R1J02	PREPARE BED & SEED SP SLOPE AREAS								
	JP SEEDING SUBTOTAL								
2R1	SEEDING CA SUBTOTAL	$54,917.00	$31,304.00		$31,304.00	$23,613.00	57%	100%	$23,613.00
IRRIGATION									
2R2N01	DELETED 1990 (IRRIGATION)								
2R2S01	DELETED 1990 (IRRIGATION)								
2R2J01	DELETED 1990 (IRRIGATION)								
2R2	IRRIGATION CA SUBTOTAL								
2R	REVEGETATION TASK TOTAL	$54,917.00	$31,304.00		$31,304.00	$23,613.00	57%	100%	$23,613.00
TERRACING									
2T1N01	TERRACING NP AREA: 1200 LF								
2T1S01	TERRACING SP AREA: 19100 LF								
2T1J01	TERRACING JP AREA : 29000 LF								
2T1	TERRACING CA SUBTOTAL								
SPECIAL CASES									
2T2S01	CUT SP-SW-06 SLOPES - OAK CANYON								
2T2J01	CUT JP-WS-01 SLOPES - GAVILAN								
2T2J02	CUT JP-WO-14 SLOPES - RIO MOQUINO								
2T2J03	CUT JP-WO-03A/3B/4A/4B SLOPES								
2T2J04	CUT NORTH JP-WS-19 BENCHES								
2T2N01	CUT JP-WO-01 BENCHES - RIO MOQUINO								
2T2	SPECIAL CA SUBTOTAL								
2T	TERRACING/SPECIAL TASK								
2	CONSTRUCTION TOTAL	$12,897,657.00	$7,972 634.57	$1,352,491.01	$6,620,143.56	$5,023,906.43	[illegible]	[illegible]	[illegible]

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
POL MGMT				
1P1L01	PROJECT MANAGEMENT – PY90			
1P1L01A	PROJECT MANAGEMENT – PY91	$13,080.60		$13,080.60
1P1L01B				
1P1L01C				
1P1L01D				
1P1	POL MANAGEMENT CA TOTAL	$13,080.60		$13,080.60
A/E				
1P2L01	PRIOR DESIGN AND SPECIFICATIONS			
1P2L02	PRIOR LEGAL EXPENSE			
1P2L03	PRIOR POL EXPENSE			
1P2	ENGINEERING CA TOTAL			
1P	POL MANAGEMENT TASK TOTAL	$13,080.60		$13,080.60
CMC				
1C1L01	ENGINEERING SERVICES CONTRACT – PY90			
1C1L01A	ENGINEERING SERVICES CONTRACT – PY91	$61,004.01		$61,004.01
1C1L03	NO WORK PACKAGE ASSIGNED TO THIS WBS #			
1C1L04	NO WORK PACKAGE ASSIGNED TO THIS WBS #			
1C1L05	ENVIRONMENTAL MONITORING: PY90			
1C1L05A	ENVIRONMENTAL MONITORING: PY91	$37,431.10		$37,431.10
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$98,435.11		$98,435.11
INTERIM CMC				
1C2L01	COMPLETE 1989 (CONST. MGMT.)			
1C2L02	COMPLETE 1989 (CMC PURCHASES)			
1C2L03B	COMPLETE 1990 (ENV. MONITORING)			
1C2	INTERIM CMC CA TOTAL			
CONTINGENCY				
1C3L01	MITIGATION PER CO-OP AGREEMENT			
1C3L02	REVEGETATION PER CO-OP AGREEMENT			
1C3	CO-OP AGREEMENT CONTINGENCY CA TOTAL			
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$98,435.11		$98,435.11

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
1	MANAGEMENT TOTAL	$111,515.71		$111,515.71
LCC ADMIN				
2L1L01	COMPLETE 1990 (LCC G&A)			
2L1L02	DELETED 1990 (LCC MARGIN)			
2L1	LCC COSTS CA TOTAL			
2L2L01	COMPLETE 1990 (LCC MOB. G&A)			
2L2L02	LCC INSURANCE: INTERIM – PY90			
2L2L02A	LCC INSURANCE: INTERIM – PY91	$90,589.00		$90,589.00
2L2L03	COMPLETE 1990 (LCC ADMIN COSTS)			
2L2	LCC START-UP COSTS CA TOTAL	$90,589.00		$90,589.00
2L	LCC ADMINISTRATION TASK TOTAL	$90,589.00		$90,589.00
MOBILIZATION				
2M1L01	NO WORK PACKAGE ASSIGNED THIS WBS #			
2M1L05	COMPLETE 1990 (SMALL TOOLS)			
2M1L06	COMPLETE 1990 (REMODELING)			
2M1L07	COMPLETE 1990 (RECONDITIONING)			
2M1L08	COMPLETE 1990 (SHOPS)			
2M1X01A	BARRICADING ROAD CLOSURE			
2M1	MOBILIZATION CA TOTAL			
LAND SURVEY				
2M2N01	LAND SURVEY NP AREA			
2M2S01	LAND SURVEY SP AREA	$14,515.08	$359.67	$14,155.41
2M2J01	LAND SURVEY JP AREA			
2M2	LAND SURVEY CA TOTAL	$14,515.08	$359.67	$14,155.41
TRAINING				
2M3L01	COMPLETE 1990 (MOB. OP. TRAINING)			
2M3L02	OPERATOR TRAINING: EARTHWORK – PY90			
2M3L02A	OPERATOR TRAINING: EARTHWORK – PY91	$2,723.72		$2,723.72
2M3	LCC TRAINING CA TOTAL	$2,723.72		$2,723.72
2M	MOBILIZATION TASK TOTAL	$17,238.80	$359.67	$16,879.13

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
BACKFILLING				
2E1N01	COMPLETE 1990 (NP HAUL ROADS)			
2E1N02A	HAUL TO NP PIT: NP-PS-17	$342,281.49	$82,376.55	$259,904.94
2E1N03	COMPLETED 1990 (NP-PS-18)			
2E1N04	COMPLETED 1990 (NP-PS-14)			
2E1N05	COMPLETED 1990 (NP-PS-15)			
2E1N06	COMPLETED 1990 (NP-PS-16)			
2E1N07	COMPLETE 1990 (SP-PS-01)			
2E1N08	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E1N09	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E1N10A	HAUL TO NP PIT: NP-WT-10	$14,892.40	$3,352.54	$11,539.86
2E1N11	COMPLETE 1990 (NP-PS-13)			
2E1N12	COMPLETE 1990 (NP-WS-19)			
	NP BACKFILLING SUBTOTAL	$357,173.89	$85,729.09	$271,444.80
2E1S01A	CONSTRUCT SP HAUL ROADS			
2E1S02	HAUL SP-PS-02 TO SP-OP-34			
	SP BACKFILLING SUBTOTAL			
2E1J01	CONSTRUCT JP HAUL ROADS & RAMPS			
2E1J02	HAUL JP-PS-23 TO JP-OP-41			
2E1J03	HAUL JP-PS-24 TO JP-OP-41			
2E1J04	HAUL JP-PS-25 TO JP-OP-41			
2E1J05	HAUL JP-PS-26 TO JP-OP-41			
2E1J06	HAUL JP-WO-10 TO JP-OP-41			
2E1J07	HAUL JP-PS-27 TO JP-OP-41			
2E1J08	HAUL JP-WO-07 TO JP-OP-41			
2E1J09	HAUL JP-WO-12 TO JP-OP-41			
2E1J10	HAUL JP-WS-08 TO JP-OP-41			
2E1J11	HAUL JP-WS-15 TO JP-OP-41			
2E1J12	HAUL JP-WO-71 TO JP-OP-41			
2E1J13	HAUL JP-WO-03 TO JP-OP-41			
2E1J14	HAUL JP-WS-13/WO-20 TO JP-OP-42			
2E1J15	NO WORK PACKAGE ASSIGNED THIS WBS #			
	JP BACKFILLING SUBTOTAL			
2E1	BACKFILLING CA TOTAL	$357,173.89	$85,729.09	$271,444.80
DUMP SLOPING				
2E2N01	DELETED 1990 (NP-WO-01)			
2E2N02	CUT SLOPES NP-WO-02(BENEATH NP-PS-17)			
2E2N03	CUT NP-WS-03 SLOPES	$13,263.51	$2,375.65	$10,887.86
2E2N04	COMPLETE 1990 (NP-WO-04)			
2E2N05A	CUT NP-WO-05 SLOPES			
2E2N06	CUT NP-WT-09 SLOPES			
2E2N07	REGRADE NP-DN-22			
2E2N08	CUT NP-WM-12 SLOPES	$4,993.22	$907.31	$4,085.91
2E2N09	COMPLETE 1990 (NP-HW-25)			

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
	NP DUMP SLOPING SUBTOTAL	$18,256.73	$3,282.96	$14,973 77
2E2S01	COMPLETED 1990 (SP-WO-13A/WO-10)			
2E2S02	CUT SP-WS-17 SLOPES			
2E2S03A	CUT SP-WO-13B/WS-18A SLOPES	$39,585.85	$9,076.67	$30,509.18
2E2S04	COMPLETE 1990 (SP-WO-14)			
2E2S05	CUT SP-WS-18B SLOPES			
2E2S06	COMPLETED 1990 (SP-WS-18C/WT-19)			
2E2S07	COMPLETED 1990 (SP-WT-03)			
2E2S08	DELETED 1990 (SP-WT-05)			
2E2S09	COMPLETE 1990 (SP-WO-38)			
2E2S10	DELETED 1990 (SP-WS-06)			
2E2S11	COMPLETE 1990 (SP-WT-19A)			
2E2S12	COMPLETED 1990 (SP-WM-12/WS-11)			
2E2S13	DELETED 1990 (SP-WT-15A/15B)			
2E2S14	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2S15	COMPLETE 1990 (SP-WT-16/WT-37)			
2E2S16	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2S17	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2S18	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2S19	COMPLETED 1990 (SP-MISCELLANEOUS SLOPES)			
	SP DUMP SLOPING SUBTOTAL	$39,585.85	$9,076.67	$30,509.18
2E2J01	CUT JP-WO-11 SLOPES			
2E2J02	CUT JP-WT-16D SLOPES			
2E2J03	CUT JP-WS-17 SLOPES			
2E2J04	CUT JP-PS-22 SLOPES			
2E2J05	CUT JP-WO-72 SLOPES			
2E2J06	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J07	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J08	CUT JP-WS-01 SLOPES			
2E2J09	DELETED 1990 (JP-WT-02A/02B/02C)			
2E2J10	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J11	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J12	CUT JP-WO-06 SLOPES			
2E2J13	CUT JP-WS-08/12 SLOPES			
2E2J14A	CUT JP-WO-11 SLOPES	$119,267.79	$22,453.69	$96,814.10
2E2J15A	CUT JP-WS-15A/15B SLOPES	$40,626.67	$7,385.65	$33,241.02
2E2J16	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J17	CUT JP-WS-16A/16B/16C SLOPES			
2E2J18	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J19	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E2J20	CUT SLOPES JP-WO-14 (NORTH SLOPES)			
2E2J21	CUT JP-WS-19A SLOPES			
2E2J22	CUT JP-WS-19B SLOPES			
2E2J23	CUT JP-WS-19C SLOPES			
2E2J24	CUT JP-WO-66 SLOPES			
2E2J25	DELETED 1990 (JP-WO-70)			

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
2E2J26	CUT JP-WO-18/66A SLOPES			
2E2J27	CUT JP-WO-18/66B SLOPES			
2E2J28	CUT JP-WO-18/66C SLOPES			
2E2J29	DELETED 1990 (JP-WO-03A)			
2E2J30	DELETED 1990 (JP-WO-03B)			
2E2J31	DELETED 1990 (JP-WO-04A)			
2E2J32	DELETED 1990 (JP-WO-04B)			
2E2J33	DELETED 1990 (JP-WO-05A)			
2E2J34	DELETED 1990 (JP-WO-05B)			
	JP DUMP SLOPING SUBTOTAL	$159,894.46	$29,839.34	$130,055.12
2E2	DUMP SLOPING CA TOTAL	$217,737.04	$42,198.97	$175,538.07
COVER PLACEMEN				
2E3N01	HAUL SOIL FROM NP-SB-61 TO NP-D8			
2E3N02	HAUL SOIL FROM NP-SB-26 TO NP-D2			
2E3N03	HAUL SOIL FROM NP-SB-27 TO NP-D7			
2E3N04	HAUL SOIL FROM NP-SB-27 TO NP-D9			
2E3N05	HAUL SOIL FROM NP-SB-27 TO NP-D8			
2E3N06	HAUL SOIL FROM NP-SB-61 TO NP-D9			
2E3N07	HAUL SOIL FROM SP-DN-61 TO NP-D4			
2E3N08	HAUL SOIL FROM SP-DN-61 TO NP-D1			
2E3N09	HAUL SOIL FROM SP-DN-61 TO NP-D3			
2E3N10	HAUL SOIL FROM SP-DN-61 TO NP-D5			
2E3N11	HAUL SOIL FROM SP-DN-61 TO NP-D10			
2E3N12	DELETED 1990 (NP-WS-31)			
2E3N13	HAUL SHALE FROM NP-WS-31 TO NP-D9			
2E3N14	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E3N15	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E3N16	HAUL SHALE FROM NP-WS-31 TO NP-D8			
2E3N17	HAUL SHALE FROM NP-WS-31 TO NP-D10			
2E3N18	HAUL SHALE FROM NP-WS-03 TO NP-D3	$6,333.40	$1,408.40	$4,925.00
2E3N19	HAUL SHALE FROM NP-WS-03 TO NP-D2			
2E3N20	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E3N21	HAUL SHALE FROM NP-WS-03 TO NP-D1			
	NP COVER PLACEMENT SUBTOTAL	$6,333.40	$1,408.40	$4,925.00
2E3S01	SOIL BORROW SP-OP-35(SP-D1)FROM SP-SB-50			
2E3S02	SOIL BORROW SP-WS-17(SP-D2)FROM SP-SB-44			
2E3S03	SOIL BORROW SP-D3 FROM SP-SB-44			
2E3S04	HAUL SOIL FROM SP-SB-42 TO SP-D4			
2E3S05	HAUL SOIL FROM SP-SB-42 TO SP-D5			
2E3S06	HAUL SOIL FROM SP-SB-42 TO SP-D6			
2E3S07	HAUL SOIL FROM SP-SB-42 TO SP-D7			
2E3S08	SOIL BORROW (D8) FROM SP-SB-44			
2E3S09	SOIL BORROW (D9) FROM SP-SB-42			
2E3S10	HAUL SOIL FROM SP-SB-42 TO SP-D10			

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
2E3S11	SOIL BORROW (SP-D11) FROM SP-SB-42			
2E3S12	SOIL BORROW (SP-D12) FROM SP-SB-43			
2E3S13	SOIL BORROW (SP-D1B) FROM SP-SB-50			
2E3S14	SHALE BORROW (SP-13A)FROM SP-WS-17			
2E3S15	SHALE BORROW (SP-13B)FROM SP-WS-17			
2E3S16	SHALE BORROW SP-PS-01 FROM SP-WS-07			
2E3S17	SHALE BORROW (SP-14) FROM SP-WS-07			
2E3S18	HAUL SHALE FROM SP-WS-07 TO SP-04			
2E3S19	HAUL SHALE FROM SP-WS-07 TO SP-D10			
2E3S20	HAUL SHALE FROM SP-WS-07 TO SP-38			
2E3S21	HAUL SHALE FROM SP-WS-07 TO SP-10			
	SP COVER PLACEMENT SUBTOTAL			
2E3J01	HAUL SOIL FROM JP-SB-53 TO D4			
2E3J02	HAUL SOIL FROM JP-SB-53 TO D5			
2E3J03	HAUL SOIL FROM JP-SB-53 TO D6			
2E3J04	HAUL SOIL FROM JP-SB-53 TO D9A			
2E3J05	HAUL SOIL FROM JP-SB-53 TO D1			
2E3J06	HAUL SOIL FROM JP-SB-53 TO D3			
2E3J07	HAUL SOIL FROM JP-SB-64 TO D2			
2E3J08	HAUL SOIL FROM JP-SB-64 TO D7			
2E3J09	HAUL SOIL FROM JP-SB-64 TO D11			
2E3J10	HAUL SOIL FROM JP-SB-64 TO D12			
2E3J11	HAUL SOIL FROM JP-SB-54 TO D16			
2E3J12	HAUL SOIL FROM JP-SB-54 TO D15			
2E3J13	DELETED 1990 (JP-SB-54)			
2E3J14	DELETED 1990 (JP-SB-54)			
2E3J15	DELETED 1990 (JP-SB-54)			
2E3J16	DELETED 1990 (JP-SB-54)			
2E3J17	DELETED 1990 (JP-SB-54)			
2E3J18	HAUL SHALE FROM JP-WS-19 TO D4			
2E3J19	HAUL SHALE FROM JP-WS-15 TO D1			
2E3J20	HAUL SHALE FROM JP-WS-15 TO D2			
2E3J21	HAUL SHALE FROM JP-WS-15 TO D7			
2E3J22	HAUL SHALE FROM JP-WS-15 TO D11			
2E3J23	HAUL SHALE FROM JP-WS-15 TO D12			
2E3J24	HAUL SHALE FROM JP-WT-02 TO D8A			
2E3J25	DELETED 1990 (JP-WT-02)			
2E3J26	DELETED 1990 (JP-WT-02)			
2E3J27	DELETED 1990 (JP-WT-02)			
2E3J28	HAUL SHALE FROM JP-WT-02 TO D15			
2E3J29	HAUL SHALE FROM JP-WT-02 TO D16			
	JP COVER PLACEMENT SUBTOTAL			
2E3	COVER PLACEMENT CA TOTAL	$6,333.40	$1,408.40	$4,925.00

CONTAINS SOIL PLOT

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
2E4NO1	HAUL CS FROM NP-CS-23/24 TO NP-OP-20			
	NP CONTAMINATED SOIL SUBTOTAL			
2E4S01A	FM SP-CS-27/28/31/33/53 TO SP-OP-34	$1,350.97	$95.73	$1,255.24
2E4S02	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E4S03	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E4S04	SP-CS-33			
2E4S05	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E4S06	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E4S07	COMPLETED 1990 (SP-CS-62/32 TO SP-OP-35)			
	SP CONTAMINATED SOIL SUBTOTAL	$1,350.97	$95.73	$1,255.24
2E4J01	HAUL CS FROM JP-CS-36 TO JP-OP-41			
2E4J02	HAUL CS FROM JP-CS-38/37 TO JP-OP-41			
2E4J03	NO WORK PACKAGE ASSIGNED THIS WBS #			
2E4J04	HAUL CS FROM JP-CS-39 TO JP-OP-42			
	JP CONTAMINATED SOIL SUBTOTAL			
2E4	CONTAMINATED SOIL CA TOTAL	$1,350.97	$95.73	$1,255.24
HIGHWALL RECLA				
2E5N01	TRIM NP HIGHWALLS			
2E5N02	SCALE NP HIGHWALLS			
	NP HIGHWALL SUBTOTAL			
2E5S01A	TRIM SP HIGHWALLS			
2E5S02A	SCALE SP HIGHWALLS			
	SP HIGHWALL SUBTOTAL			
2E5J01	TRIM JP HIGHWALLS			
2E5J02	SCALE JP HIGHWALLS			
	JP HIGHWALL SUBTOTAL			
2E5	HIGHWALL CA TOTAL			
EROSION CONTRO				
2E6NO1	DELETED 1990 (EROSION ROCK)			
2E6NO2	DELETE RIO MOQUINO CHANNEL			
2E6NO3	DELETED 1990 (BEDDING MATERIAL)			
	RIO MOQUINO AND NP DITCH SUBTOTAL			
2E6XO1	DELETED 1990 (QUARRY ROCK)			
2E6XO2	DELETED 1990 (PROCESS ROCK)			
	ROCK SUBTOTAL			
2E6	EROSION CONTROL CA TOTAL			
2E	EARTHWORK TASK TOTAL	$582,595.30	$129,432.19	$453,163.11

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
UG ENTRIES ABAN				
2S1N01	SEAL PW 2/3 UG ENTRY: NP SUBTOTAL			
2S1SO1	SEAL P-13 ADIT			
2S1SO2	SEAL P-10 DECLINE			
2S1SO3	COMPLETE 1990 (H-I ADIT)			
2S1SO4A	SEAL VENT HOLES			
2S1SO5	COMPLETE 1990 (DRILL HOLES)			
	SP UG ENTRIES ABANDON SUBTOTAL			
2S1J01	SEAL JP-SS-50 ENTRIES			
2S1J02	SEAL JP-SS-46 ENTRIES			
	JP UG ENTRIES ABANDON SUBTOTAL			
2S1	UG ENTRIES ABANDON CA TOTAL			
PIT WATER				
2S2N01	COMPLETE 1990 (NP PIT)			
2S2S01	DISPOSE OF SP PIT WATER			
2S2J01A	DISPOSE OF JP PIT WATER	$4,782.32		$4,782.32
2S2	PIT WATER CA TOTAL	$4,782.32		$4,782.32
SURF STRUC DEM				
2S3N01	COMPLETE 1990 (NP SURF. STRUC.)			
2S3S01	DEMOLISH SP SURFACE STRUCTURES			
2S3J01A	DEMOLISH JP SURFACE STRUCTURES			
2S3	SS DEMOLITION CA TOTAL			
SURF STRC DECO				
2S4XY	NOT ASSIGNED			
2S4	SS DECOM CA TOTAL			
PERM STRUC				
2S5N01	CONSTRUCT PERMANENT ACCESS ROADS:NP			
2S5N02	CONSTRUCT PERMANENT FENCES: NP AREA			
	NP STRUCTURES SUBTOTAL			
2S5S01	CONSTRUCT PERMANENT ACCESS ROADS:SP			
2S5S02	CONSTRUCT PERMANENT FENCES: SP AREA			
	SP STRUCTURES SUBTOTAL			
2S5J01	CONSTRUCT PERMANENT ACCESS ROADS:SP			
2S5J02	CONSTRUCT PERMANENT FENCES: SP AREA			
	JP STRUCTURES SUBTOTAL			
2S5J09	CONSTRUCT PERMANENT FENCES: ALL AREA	$20,068.09	$281.87	$19,786.22
	ALL STRUCTURES SUBTOTAL	$20,068.09	$281.87	$19,786.22
[illegible]	[illegible]NT STRUCTURES CA TOTAL	$20,068.09	$281.87	$19,786.22

DETAIL FOR PY91

JANUARY 1991

WBS ID NO.	WORK PACKAGE DESCRIPTION	PY91 ACTUAL COST	ACTUAL EQUIP CREDIT	ACTUAL CASH FLOW
2S	STRUCTURES TASK TOTAL	$24,850.41	$281.87	$24,568.54
SEEDBEDS				
2R1N01	PREPARE BED & SEED NP FLAT AREAS			
2R1N02	PREPARE BED & SEED NP SLOPE AREAS			
	NP SEEDING SUBTOTAL			
2R1S01	PREPARE BED & SEED SP FLAT AREAS			
2R1S02	PREPARE BED & SEED SP SLOPE AREAS			
2R1S03	COMPLETE 1990 (RESEED AT HOUSING AREA)			
	SP SEEDING SUBTOTAL			
2R1J01	PREPARE BED & SEED JP FLAT AREAS			
2R1J02	PREPARE BED & SEED SP SLOPE AREAS			
	JP SEEDING SUBTOTAL			
2R1	SEEDING CA SUBTOTAL			
IRRIGATION				
2R2N01	DELETED 1990 (IRRIGATION)			
2R2S01	DELETED 1990 (IRRIGATION)			
2R2J01	DELETED 1990 (IRRIGATION)			
2R2	IRRIGATION CA SUBTOTAL			
2R	REVEGETATION TASK TOTAL			
TERRACING				
2T1N01	TERRACING NP AREA: 1200 LF			
2T1S01	TERRACING SP AREA: 19100 LF			
2T1J01	TERRACING JP AREA : 29000 LF			
2T1	TERRACING CA SUBTOTAL			
SPECIAL CASES				
2T2S01	CUT SP-SW-06 SLOPES - OAK CANYON			
2T2J01	CUT JP-WS-01 SLOPES - GAVILAN			
2T2J02	CUT JP-WO-14 SLOPES - RIO MOQUINO			
2T2J03	CUT JP-WO-03A/3B/4A/4B SLOPES			
2T2J04	CUT NORTH JP-WS-19 BENCHES			
2T2N01	CUT JP-WO-01 BENCHES - RIO MOQUINO			
2T2	SPECIAL CA SUBTOTAL			
2T	TERRACING/SPECIAL TASK			
?	CONSTRUCTION TOTAL	$715,273.51	$130,073.73	$585,199.78

5.2 WORK PACKAGE DISCUSSION

WP#	DESCRIPTION	REMARKS
1C1L01	Engineering/Consulting Services	Completing the design work; on-site consultant phasing out;
1C1L05	Environmental Monitoring	on-going;
2M2N01	Surveying	on-going;
1P1L01	POL Management	on-going; technician training underway;
2M1X01	Highway barricades	closed until 3/15/91 (latest estimate);
2M3L02	Operator Training	on-going;
2E1N02	Haul NP-PS-17	on-going until 2/15/91;
2E1N03, N11, N04, N05, N06, N07	Haul NP-PS-18, 13, 14 15, & 16 and SP-PS-01 to North Paguate Pit;	substantially completed;
2E1N10	Haul NP-WT-10	substantially complete; used for fill along Rio Paguate drainages;
2E1S01	South Paguate Haul Roads	on-going;
2E2N04	Cut NP-W0-04	substantially complete;
2E2S03,04	Cut S. Paguate slopes	on-going with scrapers;
2E4S01	Contaminated soil cleanup	on-going;
2E5N01,02	Trim/scale Paguate highwalls	pending scheduling;
2S5S10	Site fencing	pending completion of warehouse rehab for LII;
2S1S04	Seal Vent Holes	two remaining in Jackpile;
2S1S02	Seal P-10 decline	pending scheduling;

5.2 WORK PACKAGE DISCUSSION (CONTINUED)

WP#	DESCRIPTION	REMARKS
2S3S01	Demolish S. Paguate	three still intact; need Council action;
2S2J01	Dewater Jackpile Pit	on-going; water used for dust control;
2E2J14	Cut slopes JP-WO-11	ongoing into Spring, 1991;
2E2J15	Slope JP-WS-15	substantially complete; ready for soil cover;
2E2N03	Cut NP-WS-03 slopes	on-going;
2E3N18	Haul shale to NP-03	on-going;
2E2N08	Contouring around the NP-WM-12 area;	on-going;

5.3 WORK PACKAGE CLOSEOUTS

1) Items submitted by LCC, Inc. for Final Inspection/Closeout

WP #	DESCRIPTION
2S2S01	Dewater South Paguate Pit
2E1N03	Haul NP-PS-18 to N. Paguate Pit
2E1N04	Haul NP-PS-14 to N. Paguate Pit
2E1N05	Haul NP-PS-15 to N. Paguate Pit
2E1N06	Haul NP-PS-16 to N. Paguate Pit
2E1N07	Haul SP-PS-01 to N. Paguate Pit
2E1N11	Haul NP-PS-13 to N. Paguate Pit
2E2N04	Slope NP-WO-04
2E2N09	Slope NP-HW-25
2E2S01	Slope SP-WO-13A/WO-10
2E2S04	Slope SP-WO-14
2E2S06	Slope SP-WS-18C/WT-19
2E2S07	Slope SP-WT-03
2E2S09	Slope SP-WO-38
2E2S11	Slope SP-WT-19A
2E2S12	Slope SP-WM-12
2E2S15	Slope SP-WT-16/37
2E2S19	Misc. S. Paguate sloping
2E4S07	Cleanup SP-CS-62

Savings sharings on several of these packages will start to be submitted beginning in the February, 1991 billings from LCC, Inc.

2) Items submitted by Pueblo of Laguna to BIA for Final Closeout;

NONE in January, 1991

5.4 CHANGE ORDER SUMMARY

NONE for January, 1991. Two new work packages to track the additional cleanup volume around the Rio Paguate and two new packages for shale cover in the same area have been created in concurrance with LCC, Inc. and BIA. Final amounts and volumes will be reported on billings shown in February, 1991.

6.1 PERFORMANCE MEASUREMENT

Snow and muddy haul roads caused some delays for the rubber-tire equipment. The completion of the protore haul across the highway will be sooner than originally forecast (by May 31, 1991), even though the volume moved was significantly above the Jacobs estimate. The cleanup along the Rio Paguate was completed and the area was also smoothed out to improve the appearance and drainage patterns. Approximately 9.6 million cubic yards have been handled to-date or twenty-nine percent of the original estimate. The presence of rock in the shale and topsoil borrow areas is still expected to reduce productivity in the 2nd Operating Year when compared to the protore hauling results seen in the 1st Year. The schedule is estimated to be twenty eight weeks ahead of Jacobs baseline durations based upon the excess volume moved at the original production rates.

APPENDIX A: SPECIAL REPORTS/PLANS

1) Jim Harrison-Landmark Reclamation

Monthly Inspection Report-January, 1991

2) Pueblo of Laguna Reclamation Technicians

Orientation & Training Plan-January 14, 1991

3) Ken King (USGS) to Roland Johnson (BIA-Area Office)

Damage Re-evaluation of Paguate Structures-January 16, 1991

4) Sidney L. Mills-BIA Area Director's Letter of 1/18/91

Approval for Use of Warehouse by Laguna Industries, Inc.

LANDMARK RECLAMATION

DATE: February 8, 1991

TO: Jim Olsen, Jr,. P.E. - Reclamation Project Manager

FROM: Jim Harrison, Engineering Services

RE: **Inspection Report, Month of January, 1991 -- Jackpile Reclamation Project.**

The problem with making the weather station operational has been traced to a chip in the microprocessing board that fails when the temperature goes below -6 degrees Celsius. This will be rectified with replacement of another processor board. Generally there has been freezing at night with sunny days. Two storms passed through but they did not leave a lasting snow. This freezing/thawing cycle did affect the Loader/Truck operation. The trucks could not navigate in the slippery thawing ground for parts of three days.

Material contaminated by the now-removed protore stockpiles along the Rio Paguate was removed by scrapers and placed in Open Pit-20. Following this activity Eberline came out and conducted a ground gamma survey on 200 foot centers. The material was removed to below 10 times background. The scrapers then moved to taking out the road that crosses Highway 279. The section of the road cleared by the scrapers shows negligible damage.

Sloping work was completed on NP-WM-12. The work conforms to specifications.

Other dozer work was to clean off waste-associated ore adjacent and partially covering the shale, NP-WS-03. This cleaned the shale prior to picking up the material with scrapers and placing it over the D3 area in Open Pit-20. A little more than two acres were covered one foot thick. The material is over one foot thick, averaging 13 inches, and compaction looks adequate. In addition, the gamma penetration through the shale was checked by measurement. The one foot of shale cover prohibits gamma radiation to the background count of the original shale pile, NP-WS-03.

TLD badges were picked up and new ones distributed. The Track-Ops, placed in cans, were field checked for damage at the locations. Three cannisters were on the ground. The building gamma surveys continue. No adverse areas were found.

Filters collecting airborne radioactive particulates have been sent to Eberline and we awaiting results.

Eberline also conducted swipe tests in three scrapers. Results are pending.

January 14, 1991

TO: Victor Sarracino-Reclamation Tech
Marvin Sarracino-Reclamation Tech

FROM: Jim Olsen, Jr., P.E.-Reclamation Project Manager

SUBJ: *ORIENTATION & TRAINING*

For the next several weeks, the following items will assist in your orientation and training to serve as Jackpile Reclamation Project Technicians.

1) Accompany and assist Jim Harrison (Landmark Reclamation) on his field visits to check:

Weather Station;

Construction Work Sites;

RGM-2 Installation and maintenance;

Air Sampler locations & operation;

Entries in Daily Inspection Logs;

Review/check LCC invoices for payment;

Other duties as assigned;

2) Read and review all pertinent Project Documents (copies available from Reclamation Project Manager):

Final Environmental Impact Statement;

Record of Decision-Department of the Interior;

Cooperative Agreement between the Bureau of Indian Affairs and the Pueblo of Laguna;

Jacobs Engineering Drawings and Design books;

Construction Inspection Plan;

Construction Specifications;

Reclamation Techs Orientation & Training cont'd

2) Document review cont'd

Health & Safety Plan;

Environmental Monitoring Plan & Reports;

Regulatory Compliance Plan;

Project Monthly Status Reports
August, 1989 thru November, 1990

Weekly Inspection Logs-Jim Harrison

Roy F. Weston Engineering: Special cases and other design documents; revegetation report;

Laguna Construction Company Work Schedule

Annual Operating Plans (1st & 2nd Year)

Other documents as assigned;

3) Subcontractor Management-become familiar with contact persons and services provided by subcontractors;

Eberline, Inc.-Radiological Services (radiation surveys, radon monitoring, personnel monitoring, equipment checks;)

Assagai Inc.-Surface & Ground water sampling and analysis;

Tom Mann, Inc.-Semi-annual aerial photos and volume verifications;

Qualimetrics, Inc. Weather Station;

Feel free to ask for clarifications on the Project and things you will be doing; REMEMBER: there is no such thing as a "dumb question".

Reclamation Techs Orientation & Training cont'd

4) Record Keeping Functions

Word Processing files on Compaq 286

Spreadsheets on Lotus Software

Other records as assigned.

NOTES:

DRAFT

Roland Johnson
Bureau of Indian Affairs
Programs
Box 26567
Albuquerque, NM., 87125-6567

Jan. 16, 1991

Damage Re-evaluation of Paguate structures

Data from the structural inspections made during December, 1990 are shown in the enclosed table. This survey compares the present existing damage-degree of the structures in the pueblo of Paguate with the damage-degree that was assigned during a previous vibration study by King (1986). The survey is a damage comparison and not a systematic, item-by-item structural documentation as at least two detailed damage inspections are of record, Johnson-BIA, and The Laguna construction group. The study did observe the existence of most of the damage details listed in the Johnson/BIA inspection. The observed damage during this inspection was mainly due to the cumulative effects from the vibrations induced by past mine blasting, road-construction, traffic, and recent reclamation work; and, damage due to water flooding, soil problems, improper construction, improper foundations, improper roofs and neglect.

The table makes no attempt to list-by-grade the structures within a single grade level. That is, a grade 3 at the top of the list is not of a higher grade than a grade 3 at the bottom. It also must be noted that some of the damage is now hidden by wood paneling, dry wall, etc. (for example structures 3, 51, 181, 270); therefore, the grading can error on the low side due to damage not visible. The wood-frame houses and trailers may have sustained damage; however, due to their structural flexibility the degree is less than the masonry structures and were not included in the damage grading.

There are several scenarios that could be used to distribute the funds available for the repairs. The main problem is that the funds will not cover the costs of repairs to all of the damage within the pueblo, and there are probable as many methods to plan the distribution of funds as there are people involved.

The prime concern must be to stabilize the damages which are a safety factor, such as structural damages shown on the table (4-5) and, damages which if not repaired will cause greater damages in the future, such as foundation and roof damages (note * in table). Other considerations that must be made are that many structures are deserted, vacant or are not generally inhabited. Also, a consideration should be made to a general dollar amount allocated to the 4+ to 5 grade damage. In general the damage is so extensive in these structures that it is doubtful that the available funds will be sufficient to cover a 100% repair of these structures and be able to accomplish anything more then a cosmetic effort on the other structures. A lesser degree of repairs and stabilization may be acceptable to those owners.

Any repairs should be made by contractors who have a record of doing repairs which have remained stable over a duration of at least two years. Although we have not reviewed the work of all available contractors, at least two who have done repairs in the pueblo seem to understand the problems with the structures. The pueblo should have a contractor or

contractors do a trial repair which would be tested to see if the repairs are appropriate. If the repairs are satisfactory, then have most repairs done by the same contractor or person to allow consistency though-out the pueblo. (see last paragraph)

Repairs should be made to most of the homes in the upper 3 to 5 grade scale as noted in the table; however, it is believed that a significant portion of the damage to many of the structures will reoccur unless a general change in philosophy of construction methods and pueblo management is achieved. The fact that a large portion of the repairs might not be permanent should be considered during the allocation of the limited funds. The main reasons for the continual return of the damage are:

1.) The older construction (vintage construction) in Pauguate is not compatible to todays induced environs.

The structures in Pauguate are in a transition phase between vintage construction and contemporary use. The vintage structures were not designed to withstand present environs which includes the vibrations of vehicles, construction equipment, and other associated activities which are accounted for in the general building codes such as the Uniform Building Code (UBC). That is, the structures do not have the foundation, corner, door-window, or roof supports (ties, rebar, etc.) and therefore are less able to withstand the induced vibrations from modern urban, construction and industrial activities for which current building codes were developed. The vintage construction of rigid, adobe-cemented rock walls are not flexible or as strong as the contemporary type building of frame or rebar-strengthened masonry construction. The foundation, wall, bearing-wall, and roof systems are not integrated to distribute the induced forces from low level vibrations from aircraft, vehicle traffic, road construction and blasts.

2.) The general type of construction used for the repairs may not be appropriated for the type of structure.

Beside the general contemporary environs, the vintage design was not developed for additions as wood interior floors, modern utilities or rafter roofs. In general these amenities are added-to, rather then integrated-in the structures. Point of fact are the wood floors which have been added by the residents and/or the mining company. Structurally most floors were properly built, but they were not vented or tied to the foundation/wall systems. (The vintage design is an enclosed structure which uses the earthen floor and adobe-rock walls for thermal mass and to "wick" moisture to keep the interior at a constant cool temperature (a method the present design engineers are just beginning to understand and incorporate into modern homes)). Unfortunately, the same "wicking" and the consequence exposure to moisture, is detrimental to a normal wood-joist floor system if it does not incorporate treated woods that are properly vented and tied structurally with the wall system; thus, the vintage construction is not compatible with this construction unless other factors are considered. Similar situations exist with the flat vigas-adobe roofs versus rafter roofs, door/window-lentils verses modern large windows and high-silled doors, and thick thermal mass walls with no corner or interior rebar and rebar-to-footing-to-wall-to-roof support.

Building codes are sets of standards and practices that have been developed and accepted by large areas of the country. The Uniform Building

Code is one such code used in much of western U.S. The code is appropriate for much of todays' general environment; that is, the homes are designed to withstand the average soil expansion-compacting variations, temperature variances, water-wind-snow load variations, and induced vibrations from traffic, roadbuilding etc. **More important to the pueblo, other rules such as the general blasting levels and road building vibration levels are based on average structures which were built according to the codes. However, strict adherence to the UBC codes may not be appropriate or necessary to the needs of the pueblos.

There is no intent to infer that the vintage construction methods are wrong, they are not. The methods just are not compatible with induced environs from todays activities as mining, road construction, traffic, vibrating machinery etc. Three choices seems to be apparent at this time to minimize continuing damage.

A. Zonation.

Pueblos such as Acoma and Taos have been able to maintain the vintage construction flavor within certain zoned areas. Those areas have two fixed rules; 1) No heavy or outside traffic or modern vibratory urban or construction activities, and 2) a continuing repair program.
This approach reduces the exposure of the vintage construction to a large amount of the sources of vibrations.

B. Replacement by attrition.

As each home falls into a certain level of disrepair, an ordnance comes into effect that enforces all new or replacement construction to abide by a selective building code such as the UBC or a UBC code that has been modified to the needs of the pueblo.

C. Combination of the above with added "pueblo"-engineering.

A general ordinance-coding-zoning by the pueblo for all redevelopment, repairs and new construction would be enacted. Develop a zoning ordinance for the pueblo which will allow certain types of industrial or urban vibration sources in certain zones, and vibration isolation for certain other areas. Develop better foundation-wall-roof methods which have the flavor of vintage construction, but will allow more tolerance to modern vibrations. As better vintaged flavored construction methods are found in this or any other pueblo, modify the ordinance-code and distribute the information to all new or repair construction. Educate the new generation and local contractors on the care needed for the vintage type construction.

An over-all coordination of those ordnances with other agencies are necessary as noted by sheet-flooding of recent years which has been accelerated and worsen by added improvements to the pueblo (case in point is the paved road changing the drainage pattern) and the added vibrations from the road building-maintenance and the reclamation work. More and more we have found that all actions have reactions, even if the intended actions are to be a benefit.

The mining, road construction, and reclamation work has caused damage and acceleration of the existing damage in the pueblo of Paguate; however, all pueblos suffer from the same transition syndrome; that is, the mix of

vintage building with contemporary needs. The simple installation of a washing and drying machine can be incompatible with certain vintage structures. **We highly recommend that the local BIA organization take the lead in helping develop a modified building code and zoning ordinances in cooperation with the many pueblos. A "pueblo development" committee should comprise of an engineer who understands vintage construction (BIA?), a vibration expert, a representation from the local training organization, and representation from the council and pueblos. It could also be an opportunity to have a cooperative program with the local trade schools/universities to train young personnel for future construction, repairs, rehab. programs without loss of heritage or vintage-type structures. An instructor from the local trade school should be included in the "pueblo development" committee. The committee would need to be an active one which relates to the local councils and is designed to "help the residents get things done" rather then impede development. No one wants another layer of bureaucracy; but, damage will continue to occur and hazards will continue to develop until either the vintage structures are lost or the damage/hazards are methodically eliminated. This is a local situation which can and should be handled by local planners and contractors.

Kenneth W. King
U.S.Geological Survey

TABLE 1

HOUSE NO.	CONTACT or OWNER	DAMAGE GRADE Old	DAMAGE GRADE New	REPAIRS	code	MAXIMUM PROBLEM
96	I.Lente	4	5	struct		all walls, outside and interior
167	R.Johnson	5	5	struct	#	all walls,
163	P.Lowery	4	5-	struct		all walls and bearing wall
165	F.Aragon	5	4+	struct	$,#	most walls, interior and exterior
202	M.Romero	5	4+	struct		all walls
161	G.Lewis	3	4+	struct.		N,E wall, floor/ceiling
190	B.Malott	4	4+	const.	*	Outside and bearing walls, roof*
164	Lorenzo	4	4+	const.		N,E outside, bearing wall
169	B.Lorenzo	3+	4	const.	*	S wall,major water drainage *
178	Pachaco	4	4	const.	$,#	N,W outside, rafters support
38	D.Purley	3+	4	const	*,@	W,NW walls, floor,roof*
21	church	4	4	const	$	repairs have been attempted
181	F.Kowemy	3+	4	const		Nwall, windows
174	E.Chavez	4-	4	const		Swall,floor, bearing wall
166	L.Jose	4	4-	const.	#,*	S,W.N walls, bearing wall, roof*
173	F.Reed	4+	4-	const.	*	W,S,N walls, bearing wall, roof*
149	J.Mariano	3+	4-	const.		N,E outside, bearing wall
168	NC-B.Toleno	4	4-	const	#	corner cracking,
162	Cheromiah	4	4-	const		vacant,outside walls,bearing wall
157	L.Stokes	4	4-	const		outside/inside wall
155	A.Cohoe	4	4-	const.		N,W walls,
176	L.Chino	3	3+	const.	*	W wall, bearing, roof*
179	G.Francisco	3	3+	const.	$	W,N wall,
177	M.Koteen	3+	3+	struct.	#	SW corner,Wwall,bearing wall
270	R.Lorenzo	3	3+	const.	*	N,S wall,roof*,door,bearing wall
170	L.Natseway	3+	3+	const.	*	W,wall, roof*
171	H.Paisano	4	3+	const.	$	S,E,W walls,
183	A.Anolla	3	3+	const	#	W.wall, minor cracks inside
105	NC-A.Scott	3	3+	const		NW corner,
97	D.Paicano	3	3+	struct		outside wall, minor inside
98	NC-I.Nurguski	3	3+	struct		outside walls
94	I.Valdc	3	3+	c/c		corner cracks,minor inter.cracks
95	NC	3	3+	c/c		minor/major cracks
37	M.Luther	3	3+	const		S wall, no bathroom???
51	A.Luther	3	3+	c/c		minor cracking, roof*, cover-up
53	E.Luther	3	3+	c/c		minor cracking
42	G.Lewis	3	3+	c/c	$	some large cracks
200	J.Cochran	3	3+	c/c		S,SW walls, kit. ceiling,
60	L.Crowe	3	3+	const.	$	@interior ceiling, wall, floor
66	H.Garcia	3	3+	const		vacant, S window, E,W,N walls
71	L.Yahnozha	3	3+	const	$	S,E,& bearing wall, kitchen
54	H.Garcia	3+	3+	c/c	$	wall cracks, roof(being rehabed)
44	H.Sakiestewa	3	3	c/c		storage area
45	H.Sakiestewa	3	3+	c/c		store, S wall
46	H.Sakiestewa	3	3+	c/c		storage, water damage??
45b	H.Sakiestewa	3	3+	c/c	*	storage, roof*

119	E.Wacondo	3	3+	const	$,#	N wall
118	E.Wacondo	3	3	const		common wall to 119, porch
180	M.Koteen	2+	3	const.		W,N wall, bearing wall
272	F.Johnson	4	3	const.	$	W,NW walls,rafter-to-plate joint
159	D.Analla	3	3	const		@N wall, interior wall, floor
142	???lady	3	3	c/c		S,SW wall cracks
145	R.Young	2	3	const	$	back bedroom cracks
NN	M.Pedro	3	3	const		W wall, S,E walls minor
138	NC	2+	3	c/c		N wall stress cracks
106	NC	2+	3	c/c		minor cracks
103	lady	2+	3	const.		S,W walls
99	J.Ortiz NA	3	3	struct		outside walls
100	NC	3	3	c/c		outside walls
102	NC	3	3	c/c		outside walls
101	C.Wancond	3	3	c/c	$	Wall separating (foundation?)
36	NC	3	3	c/c		minor cracking
34	P.Garcia	3+	3	c/c	$	minor cracking
50	Pacheco	3	3	c/c		NW corner
129	F.Gaco	2+	3	const		* N,NE,W & bedroom walls, roof*
69	S.Sarracina	3	3	const	$	* S wall, roof* being rehabed
67	M.Weesh	2+	3	c/c	$	misc cracks
60b	L.Cheromiah	3	3	c/c		misc. cracks
72	C.Abeita	2+	3	c/c		S,E and common wall, kit ceiling
33	C.Kowemy	2+	3	c/c		misc. cracks
30	C.Acoya	2+	3	const	$	internal cracks
27	R.McKinsey	3	3	const		E and corner walls
3	F.Louse	3	3	c/c		W wall, paneling covers cracks
131b	R.Lorenzo	3	3	c/c		* roof*
275	B.Denny	3	3-	const		front door, S wall, W window,
160	NC	2	3-	const	$	slight cracking on outside walls
139	NC	2	3-	c/c		slight cracking
182	M.Martin	3	3-	c/c		N wall
206	renter	3	3-	c/c		W wall
184	NC	3	3-	c/c		minor cracking outside walls
39	NC	3	3-	c/c		old repairs are failing
40	NC	3	3-	c/c		old repairs are failing
123	E.Scott	3	3-	c/c		minor cracks
130	NC	2	3-	cos		minor cracks.
128	J.Reeder	2+	3-	cos		N,W small cracks, Kit & store room
120	L.Lorenzo	3+	3-	const	$	@N,E walls, bad floor
116	H.Taylor	2	3-	cos		common wall to 117 in bad repair
114	Cheromiah	3	3-	cos		N,W walls
57	H.Garcia-V	2	3-	c/c		misc. cracks
56	H.Garcia	3	3-	const		@misc. cracks, floor
55	H.Garcia-V	2	3-	c/c		misc. cracks
58	H.Garcia-V	3	3-	c/c		misc. cracks
26	NC	3	3-	const		misc. cracks
15	NC	3	3-	c/c	$	windows
48	M.Pedro	3	3-	const		* bath crack, roof*, hallway damage
62	NC	2	3-	c/c		misc. cracks
47	NC	2	3-	c/c		misc. cracks

8	C.Holtsoi	3	3-	const		*	W,E wall, roof beam
7	NC	3	3-	const			N,W wall
211	H.Smith	3	3-	cos	$		minor cracks
209	NC	3	2+	cos	$		recent rehab.
210	NC	3	2+	cos			garage to 209
146	A.Aragon	2	2+	const		*	roof*
147	A.Aragon	2	2+	const		*	roof*
136	L.Sarcino	2	2+	const		*	roof*, W wall
135	J.Gaco	2	2+	cos			light cracking
235	P.Gaco	2	2+	cos	$	*	N inside wall,roof*
82	K.Romero	2	2+	c/c	#		NWcorner, L&K inside cracks
84	E.Tonkinson	3	2+	c/c			W wall, bearing wall, foundation??
83	NC-Church	2	2+	cos			minor cracking
131	R.Lorenzo	2	2+	c/c		*	roof*
131c	R.Lorenzo	2	2+	c/c		*	roof*
126	R.Lorenzo	2	2+	c/c			windows jammed, foundation shift.
110	H.Taylor	2	2+	c/c		*	kitchen, roof*
59	L.Paulistia	2	2+	cos			misc. small cracks
70	S.Sarracina	2	2+	c/c			minor cracking
6	E.Cerio	2	2+	c/c			misc. cracks
22	J.Paisano	2+	2+	c/c		*	cracks around doors, roof*, ovens
43b	E.Colegrove	2	2+	c/c		*	roof*, kit. ceiling
12	NC	2+	2+	c/c			misc. cracks
220	NC	2	2	c/c	$		minor cracking
221	NC	2	2	cos			garage to 220
115	R.Cheromiah	2+	2	cos			misc. cracks
59b	L.Paulistia	2	2	cos	$		rebuilt
4	F.LaLause	2	2	c/c			misc. cracks
2	NC	2	2	c/c			misc. cracks
141	vacant		2+	cos			vacant
93	vacant	2	2	cos			vacant
79	vacant	2	2+	c/c			vacant
143	vacant	2	3-	c/c			slight cracking
137	vacant	2	2	cos			
85	vacant	2	2+	cos			minor cracking
124	vacant	2	3-	c/c			vacant--unfinished
127	vacant	2	3-	c/c			vacant--unfinished
113	vacant	3	3	c/c			cracks over door
108	vacant	3	3+	const			roof*
28	vacant	2+					
13	vacant	2	2+	c/c			misc. cracks
1	vacant	2	2	c/c			misc. cracks
53	A.Luther	3	3	c/c			vacant
201	Jiron	3	3	c/c			vacant, W,SW walls
32	NC	2+					couldn't inspect
31	NC	2+					couldn't inspect
158	vacant						
156	vacant						
148	vacant						vacant
222	vacant						

117	vacant	collapse walls, no roof
112	vacant	raw rocks, no roof
109	vacant	raw rocks
29	vacant	shed, raw rock, vacant
5	vacant	shed, raw rock
14	vacant	raw rock
61	R.Young	vacant, raw rock
68	H.Garcia	unfinished
65	H.Garcia	raw rock, vacant
43	NC-R.Kawa	couldn't inspect
273, 207, 274, 225, 226, 212, 208	frame trailer	

NC = no one contacted, cos= cosmetic const=construction c/c = cosmetic & minor construction. CODES= # = buttress problem $ = has made considerable apparent repairs , * = roof problems

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
LAGUNA AGENCY
P.O. BOX 1448
LAGUNA, NEW MEXICO 87026

IN REPLY REFER TO

Superintendent

JAN 18 1991

Memorandum

To: Area Director
Attention: Area Contracting Officer

From: Superintendent

Subject: Use of building at Jackpile Reclamation Site

In its letter to you dated January 10, 1991, the Pueblo of Laguna, on behalf of Laguna Industries, Inc., requested approval to utilize an unused warehouse located at the Jackpile Reclamation Project. All parties connected with the reclamation of the Jackpile Mine have reviewed and discussed Laguna Industries' request, and all have concurred or approved the request.

Use of the building will enable Laguna Industries to expand its operations and provide more employment to members and residents of the Pueblo. All precautions and security measures have been addressed and agreed upon by Laguna Industries, Inc., and Laguna Construction Company.

Upon your review of the specific procedures and requirements for utilization of the building as addressed in the January 10, 1991, letter, it is recommended that you approve the request. Such approval would not be in violation of any requirements imposed on the Jackpile Reclamation Project by the Bureau of Indian Affairs, Occupational Safety and Health Act, the Record of Decision, etc.

If you should have any questions concerning the contents of this memorandum, you may contact me at 243-4467.

/S/ YAMIE LEEDS

Superintendent

cc: Wilfred Herrera, Secretary, POL
Allen Sedik, BIA Project Engineer, AAO

RECEIVED
JAN 2[illegible]
REGIONAL RIGHTS PROTECTIO

340 - Branch of Regional
Water Rights Protection

JAN 18 1991

Through: Superintendent, Laguna Agency

Governor Harry Early
Pueblo of Laguna
P. O. Box 194
Laguna, New Mexcio 87026

Dear Governor Early:

The Albuquerque Area Office has reviewed the procedures and requirements submitted for the use of the warehouse building by Laguna Industries, Inc., at the Jackpile Mine. We find the specific procedures and requirements as submitted to be acceptable and concur with the use of the warehouse building by Laguna Industries, Inc. A copy of the plan is enclosed.

If there are any questions, please contact Mr. Allen J. Sedik, Branch of Regional Water Rights Protection, at 766-3167.

Sincerely,

Sidney L. Mills

Area Director

Enclosure

cc: Superintendent, Laguna Agency
Mr. George Farris, Wash, D.C.
[redacted]
212 Deigo G. Lujan

PUEBLO OF LAGUNA

P.O. BOX 194
LAGUNA, NEW MEXICO 87026

Office of:
The Governor
The Secretary
The Treasurer

(505) 243-7616
(505) 552-6654
(505) 552-6655

January 10, 1991

Mr. Sid Mills-Area Director
Bureau of Indian Affairs
US Department of the Interior
P.O. Box 26567
Albuquerque, NM 87125

REF: Gov. Conrad Lucero Request for Use of Building at Jackpile Reclamation Site-December 12, 1990

Dear Mr. Mills:

A request by the Pueblo of Laguna on behalf of Laguna Industries, Incorporated to occupy and utilize the old warehouse structure located adjacent to the Laguna Construction Company's maintenance shops was submitted to your Office for review.

The following itemizes the specific procedures and requirements for utilization of the building and still be in compliance with the intent and regulations adopted by the POL and BIA on the Jackpile Reclamation Project.

Laguna Industries, Incorporated (LII) will follow all Health & Safety requirements (see Jackpile Project Health & Safety Plan-adopted October, 1989) or any other OSHA requirements which are applicable to the Jackpile Reclamation Project Site. The management of LII's health & safety compliance will be the LII's responsibility and separate from the Laguna Construction Company or the Pueblo of Laguna. Specific actions are as follows:

1) The building will be cleaned and, prior to occupation by LII, certified as habitable by an outside radiological monitoring firm;

2) Access by any and all LII employees, supervisors, vendors, suppliers, etc. will be limited to the warehouse building and designated areas only; no other access by LII to other portions of the Project Site will be allowed except with the approval of the Reclamation Project Manager and the Laguna Construction Company. Site access prior to and after building rehabilitation/construction commencement will be authorized through the POL/RPM and LCC for all personnel involved.

LII Building Use Requirements cont'd
Jackpile Reclamation Project Site

3) LII restricted-access areas will be fenced and a separate access gate and parking area maintained by LII for their employees;

4) LII will provide twenty-four hour per day security for their area;

5) Power requirements for the LII operations will be separately metered and maintained; LII will install and maintain their own propane or like heating facilities as well as their own telephone and other communications systems. This applies during building rehabilitation, construction, and manufacturing operations.

6) Potable water will have to be bottled and supplied by LII for their employees; waste water/lavatory facilities will be re-attached to the system utilized by Laguna Construction Company and existing waste water storage capacity is judged to be adequate to meet both company's needs; no additional wells or waste handling facilities are needed; LII will be responsible for their own solid waste removal.

7) LII will initiate and maintain a radiological personnel monitoring program (TLD badges) similar to that followed by the Jackpile Project participants;

8) LII's activities are limited to light manufacturing; the use and storage of any hazardous materials at the Jackpile site will not be allowed;

9) All sub-contractors, vendors, suppliers, etc. procured by LII during the construction phase will coordinate and be at the direction of the POL & LCC regarding scheduling, access, material storage, and general project management. Certificates of insurance will be required from contractors naming LCC and POL as additional insured (see Article 5--Bonds & Insurance, General Conditions in the Agreement for Construction Services between Pueblo of Laguna and Laguna Construction Company, Incorporated.)

10) LII is responsible for the quality of performance and materials provided by subcontractors and their suppliers.

EFFECTIVE DATE: 1/11/91

CONCUR:

Gov. Harry Early
Pueblo of Laguna

Ronald J. Solimon
President
Laguna Industries, Inc.

Neal D. Kasper-President
Laguna Construction Co.

J.H. Olsen, Jr., P.E.
Reclamation Project Mgr.

Sidney L Mills
Area Director

Diego Lujan
BIA Contracting Officer

pc: Wil Hererra-POL Secretary
Lester E. Taylor-Pueblo Legal Counsel
George Farris-BIA Environmental Manager
file: rpm2bia